

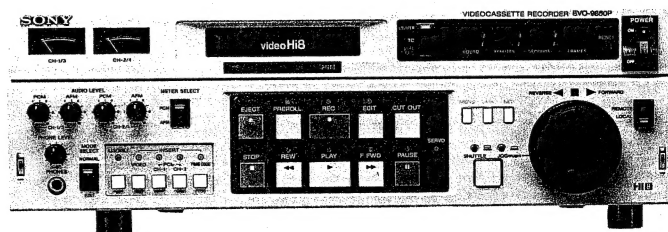
SONY®

VIDEOCASSETTE RECORDER

EVO-9850P

SERVICE MANUAL

Vol. 2



Hi8

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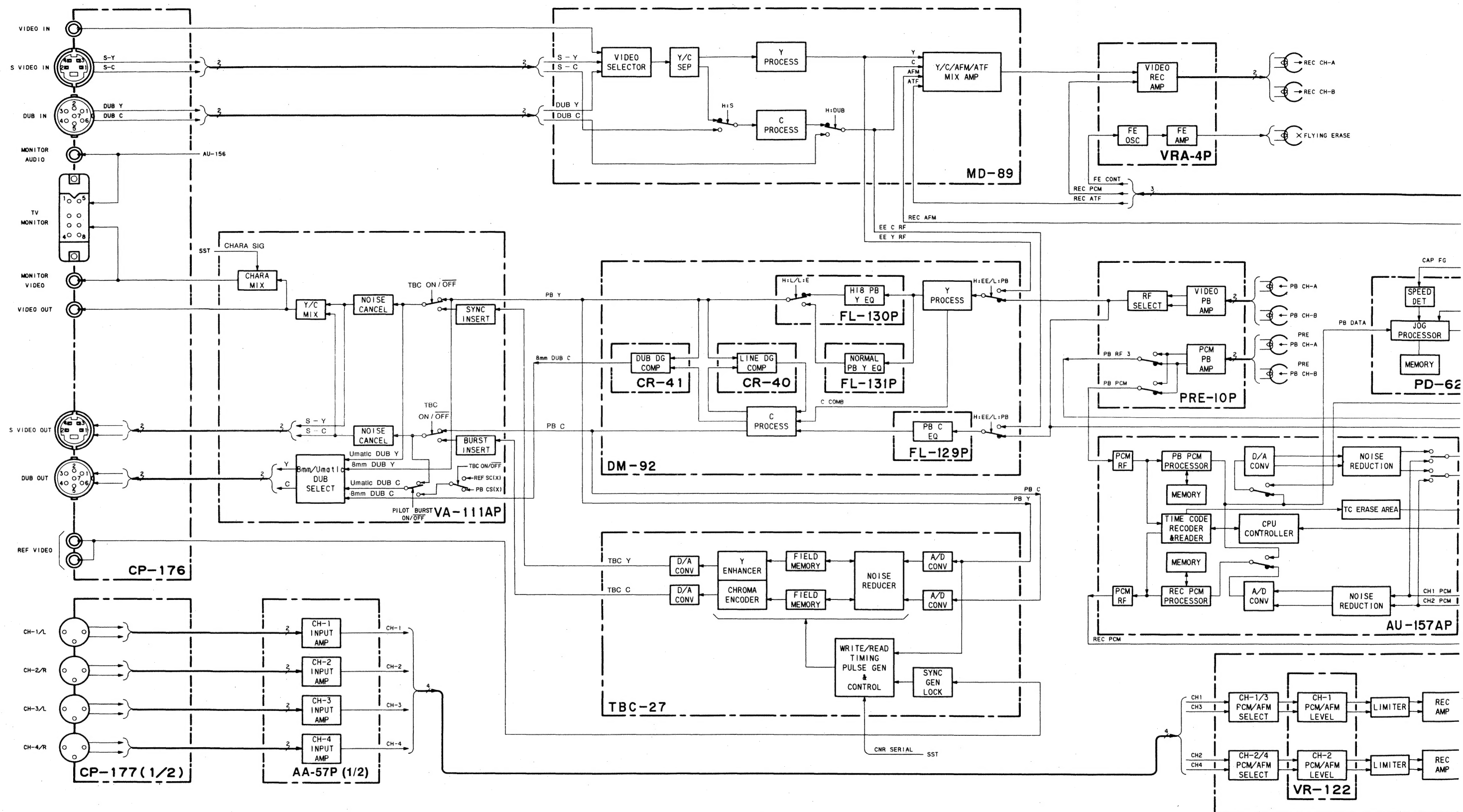
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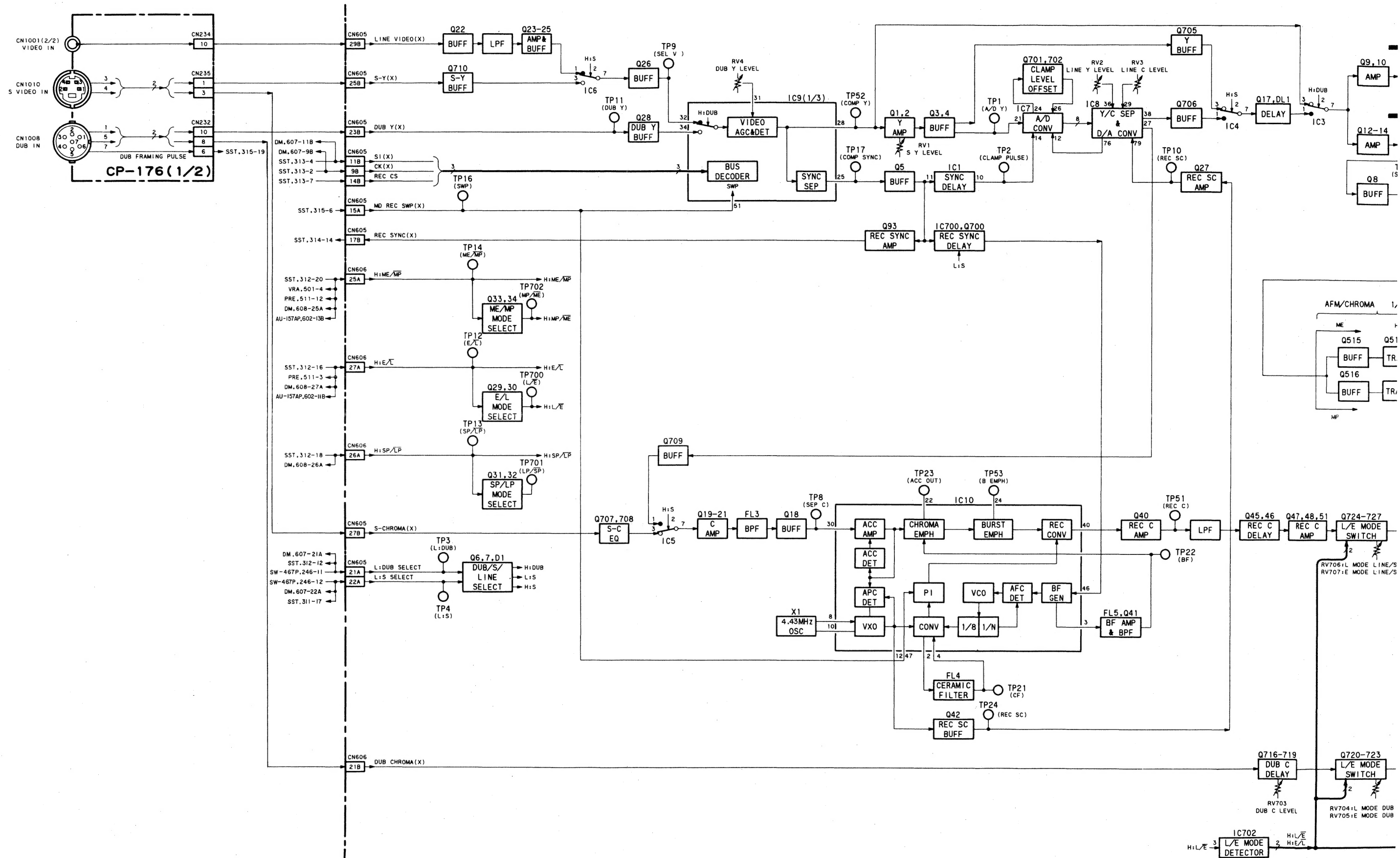
SECTION 11
BLOCK DIAGRAMS

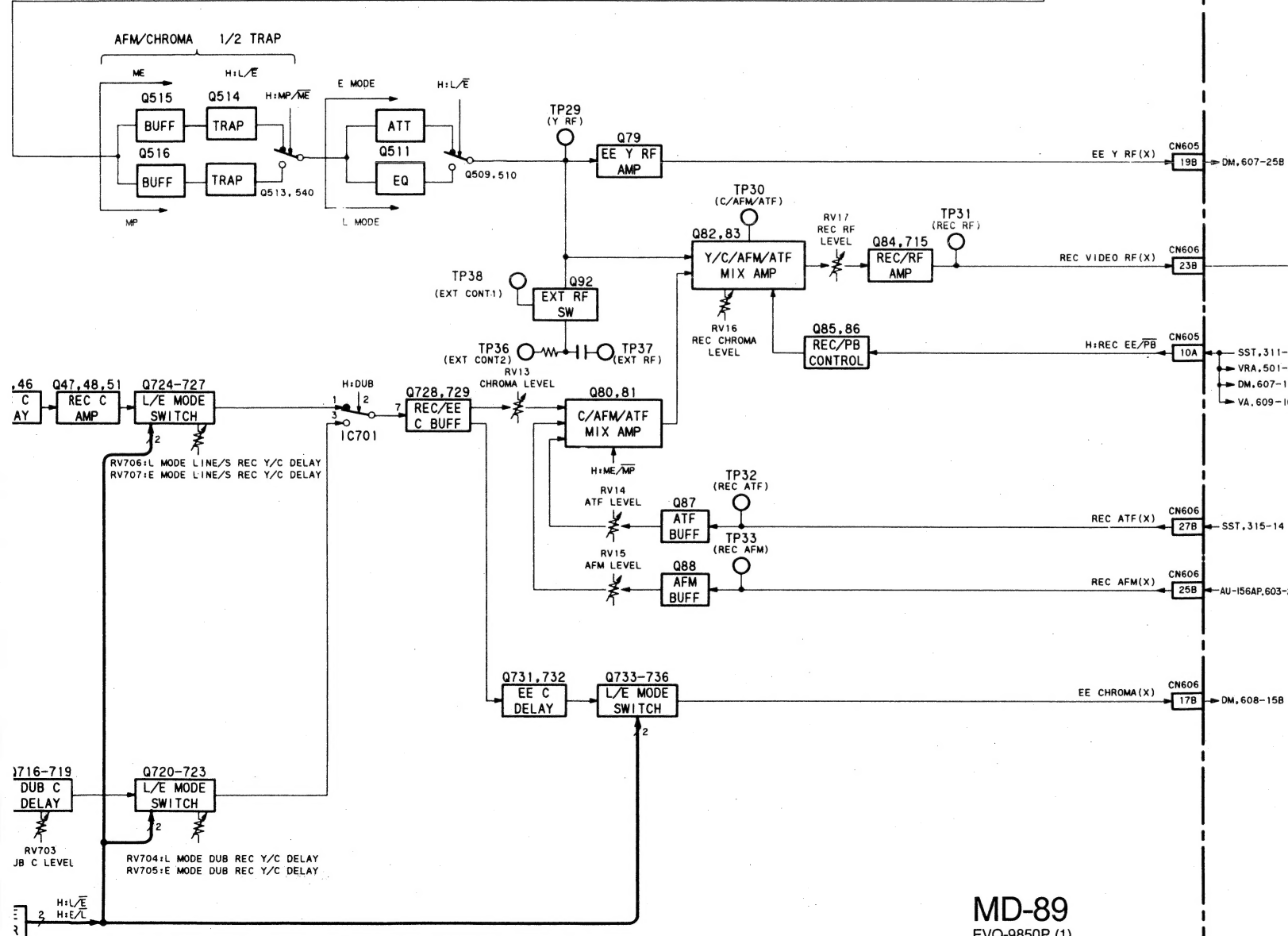
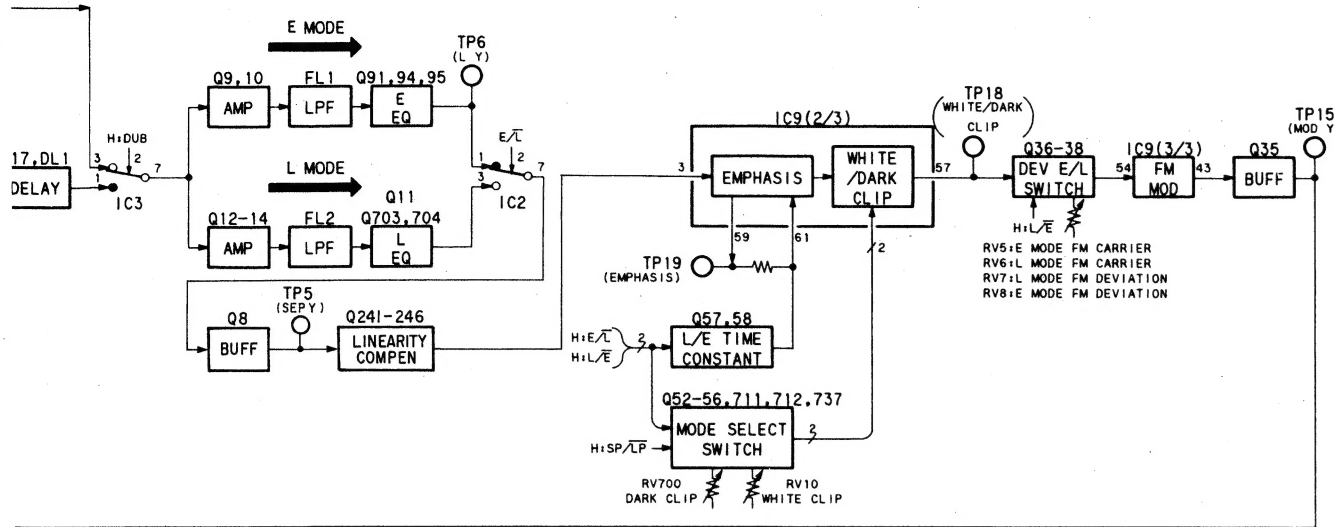
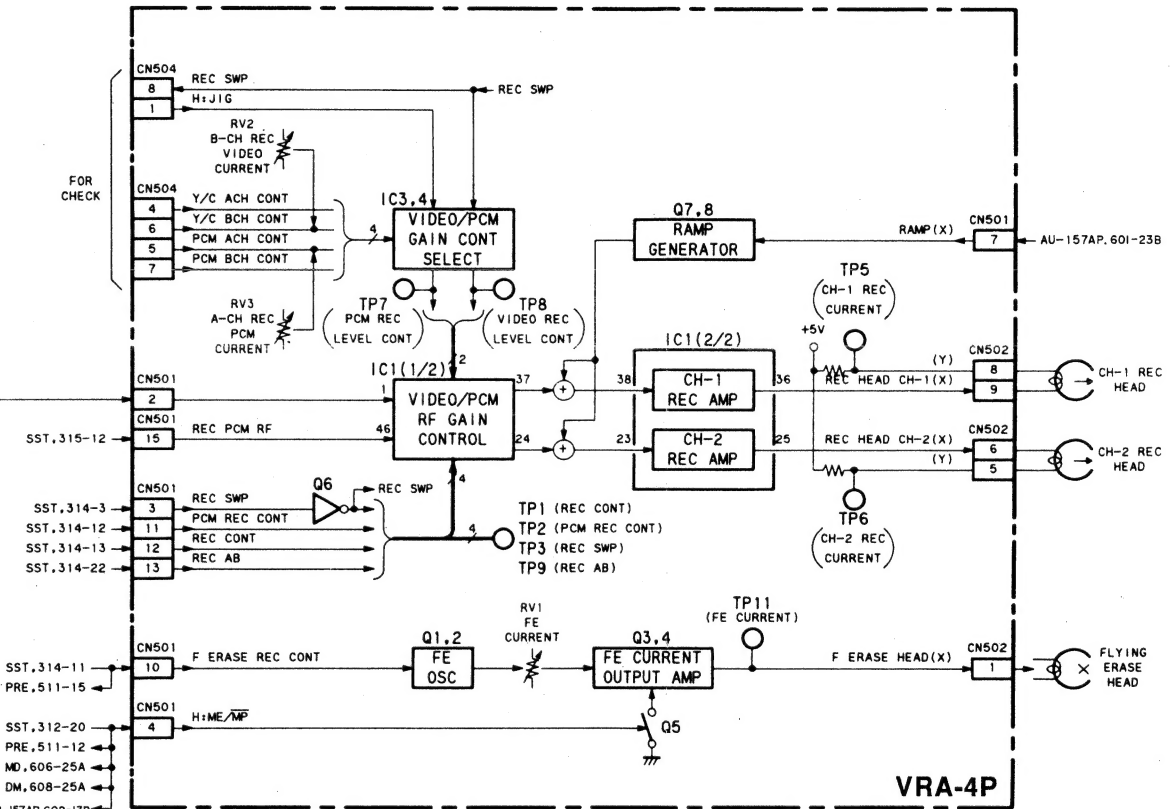
OVERALL



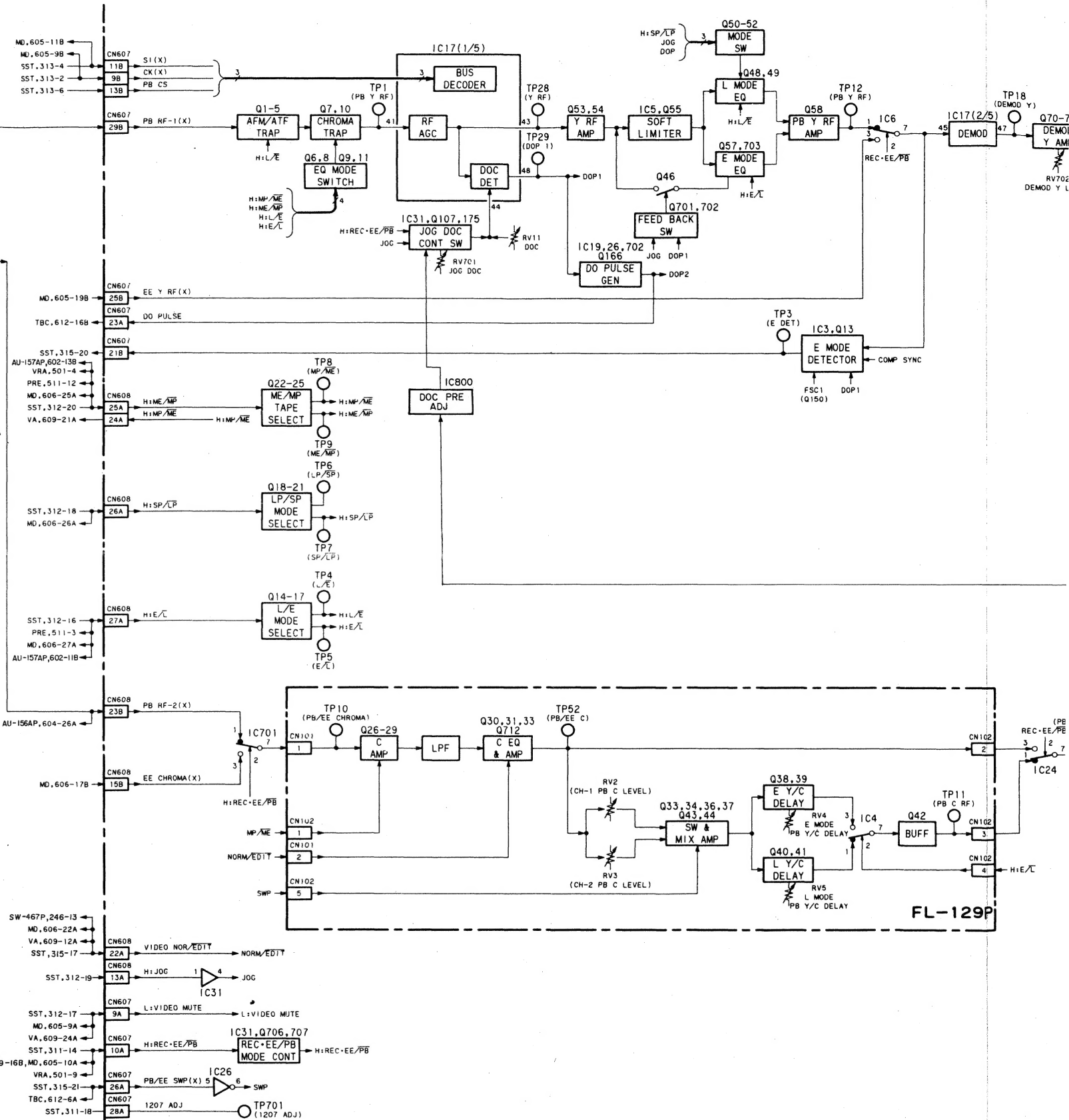
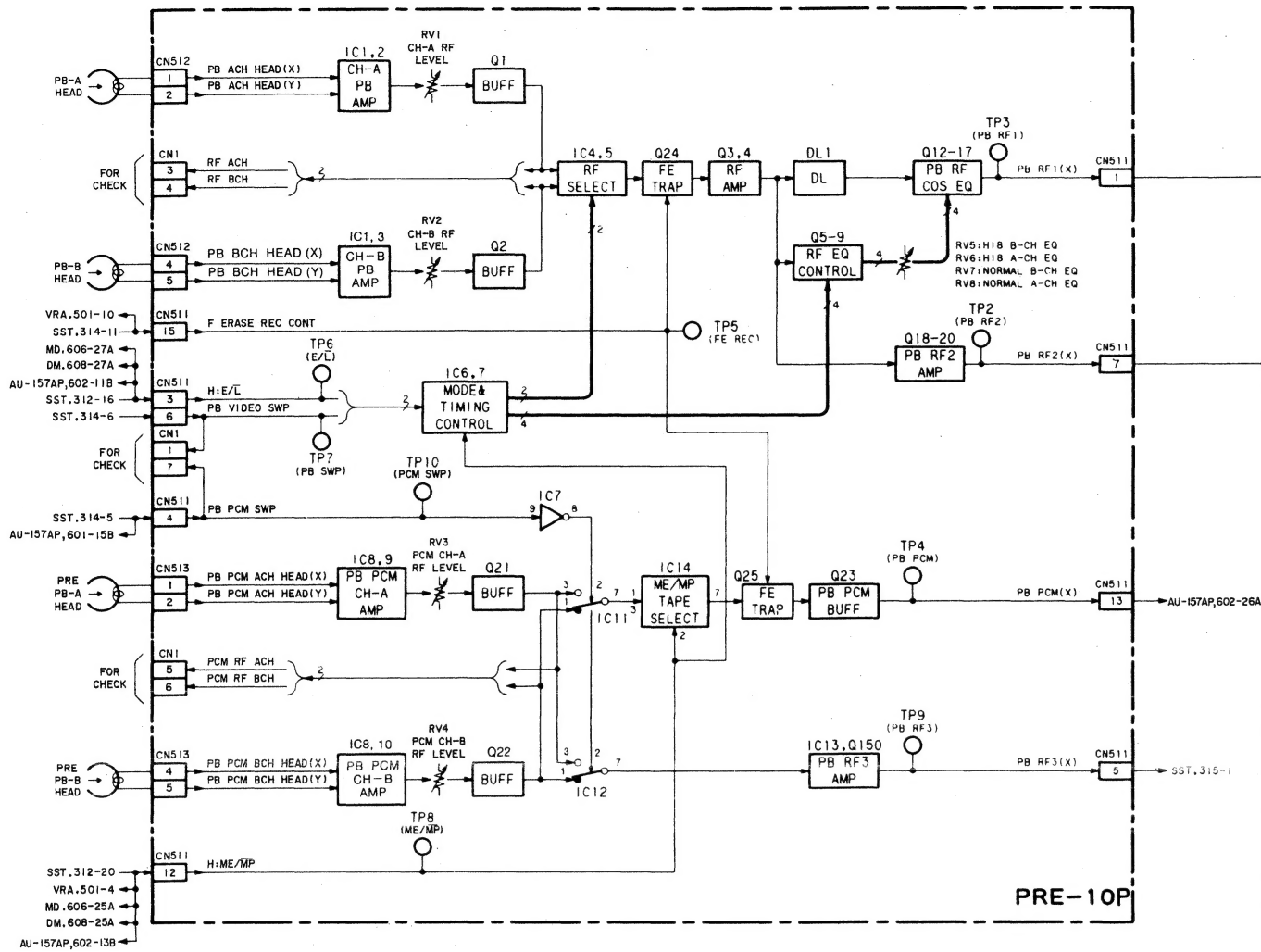


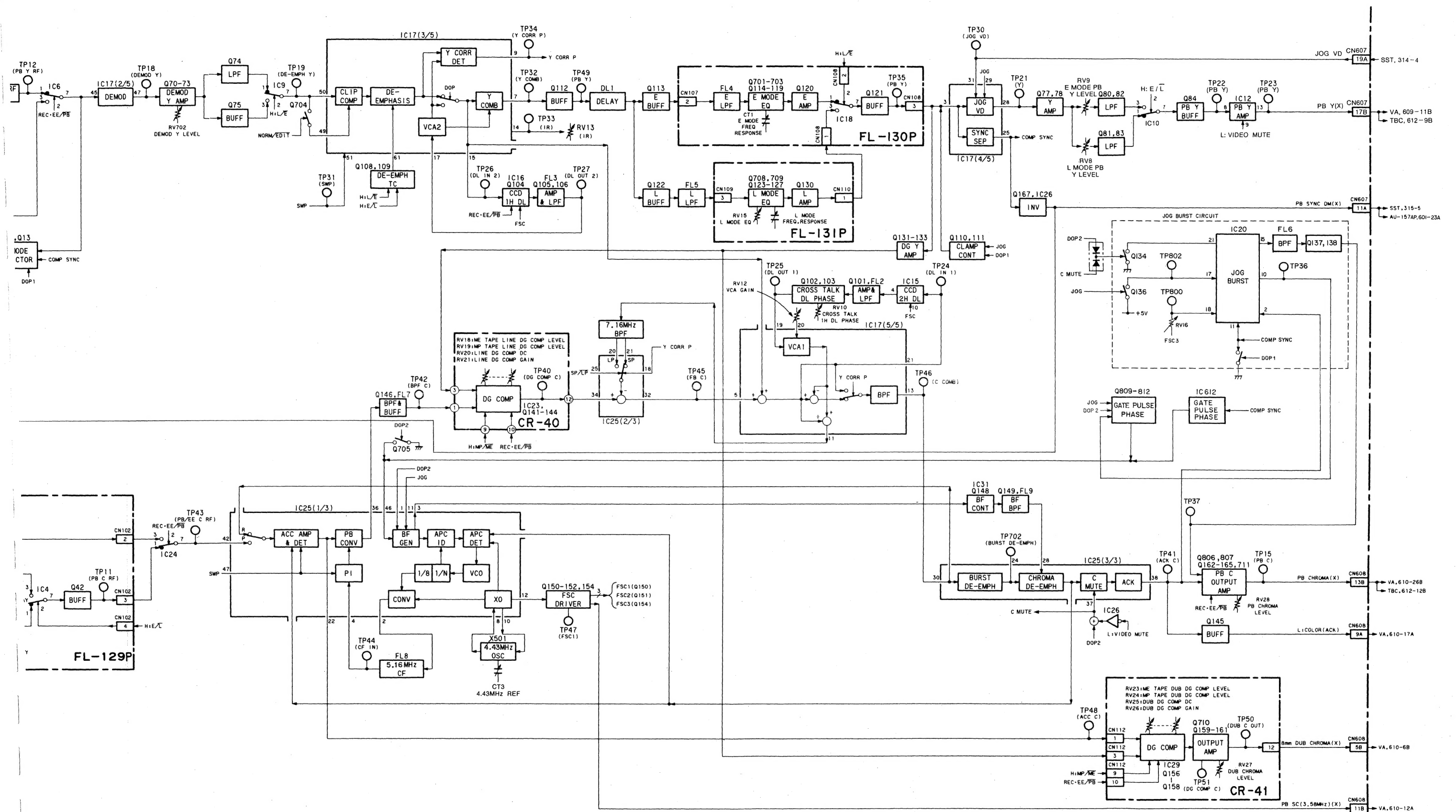
REC Video Processor



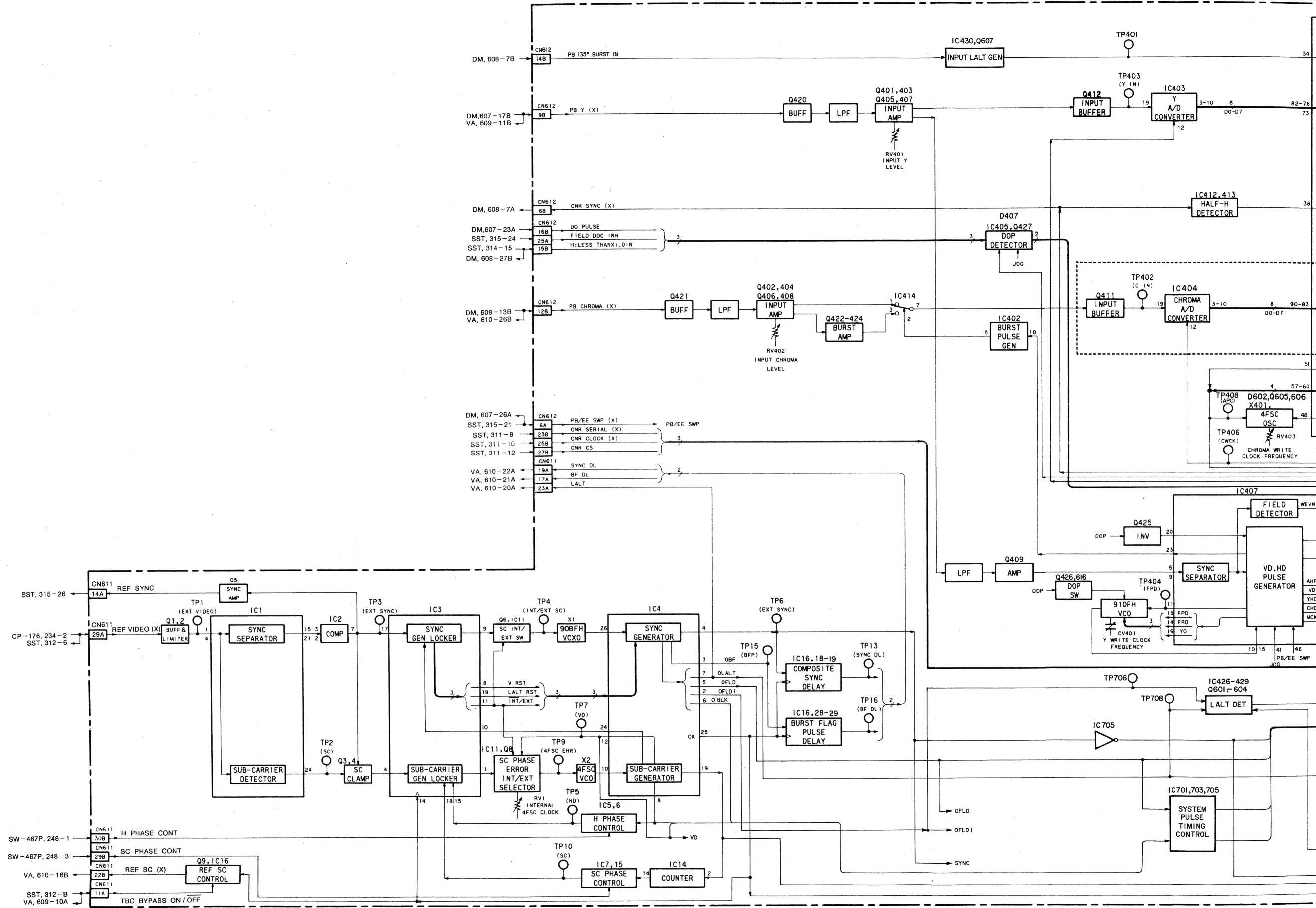
MD-89
EVO-9850P (1)

PB Video Processor



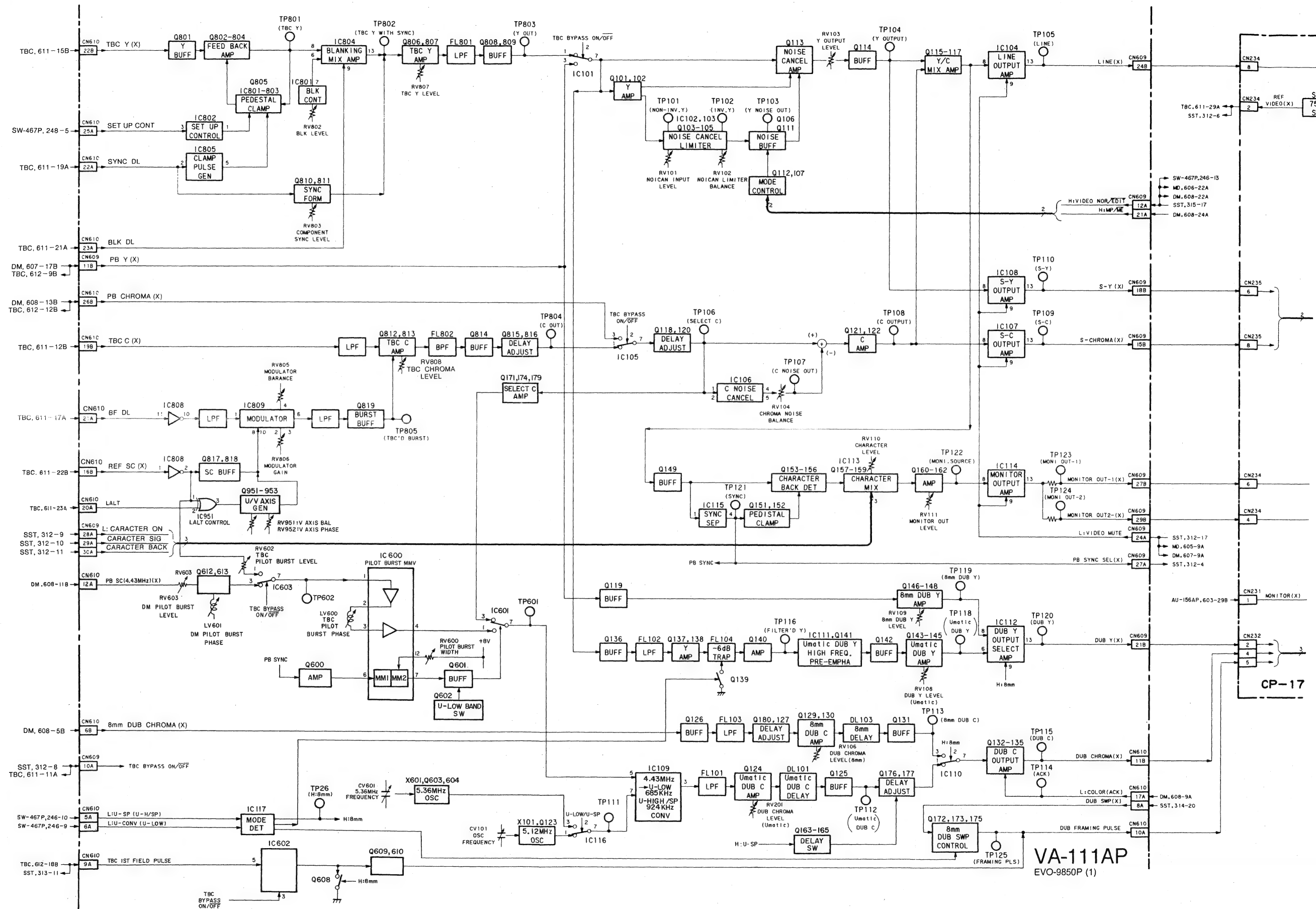


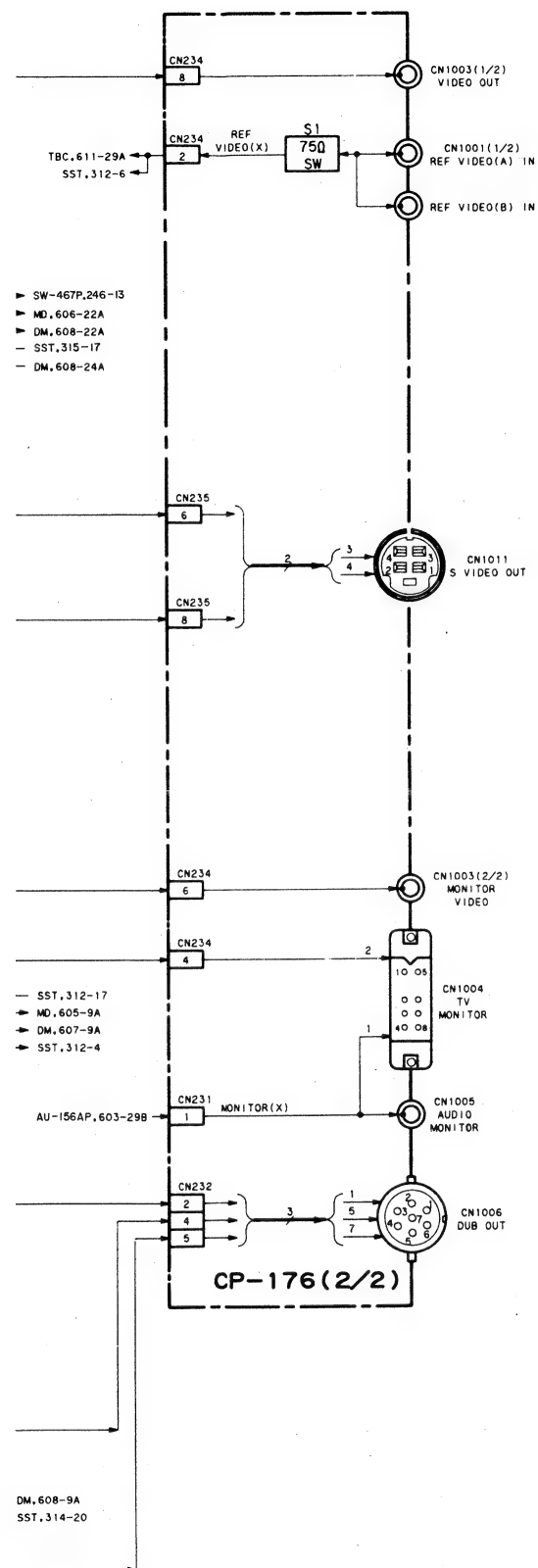
Time Base Corrector



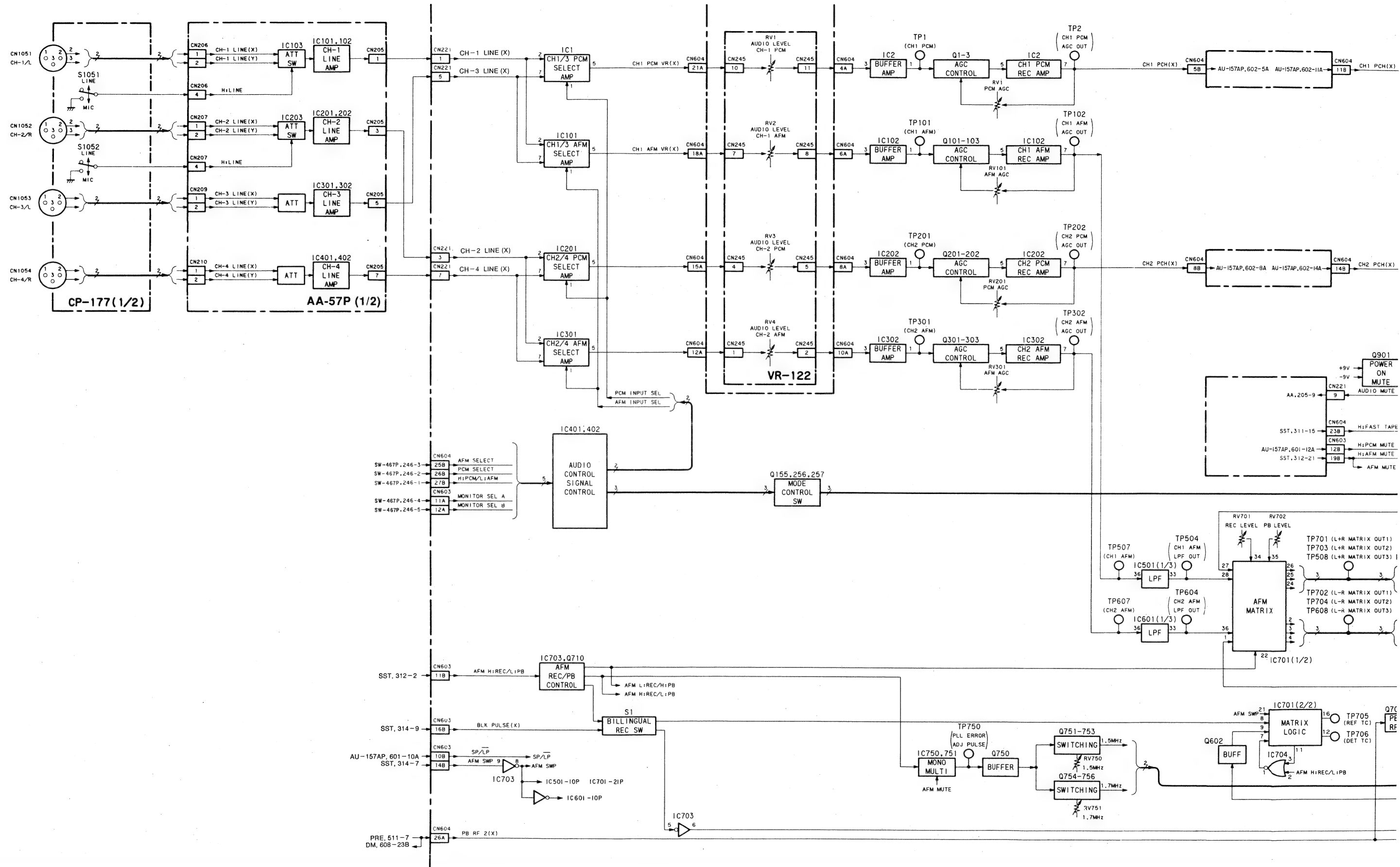


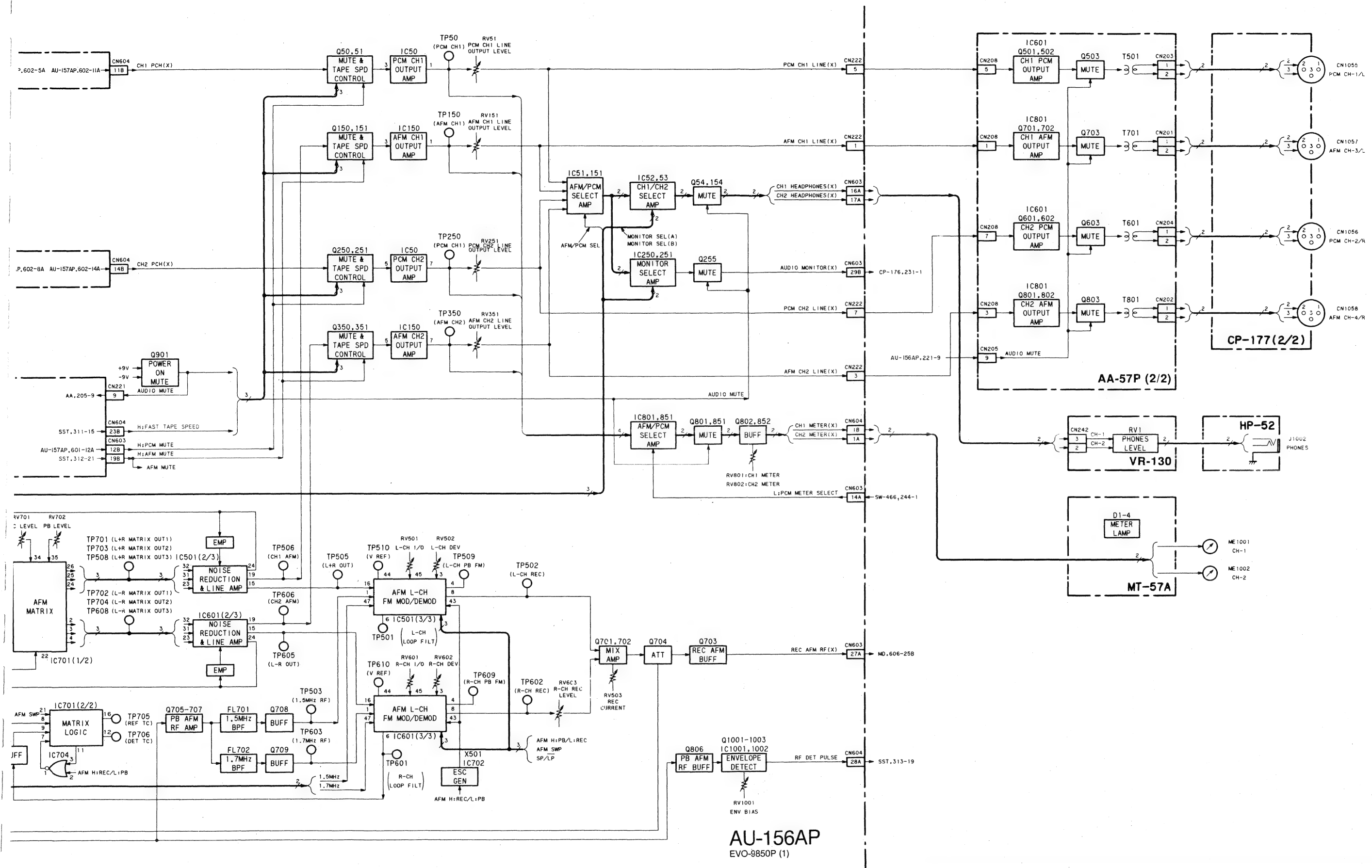
Video Interface/Sync, Burst Insert



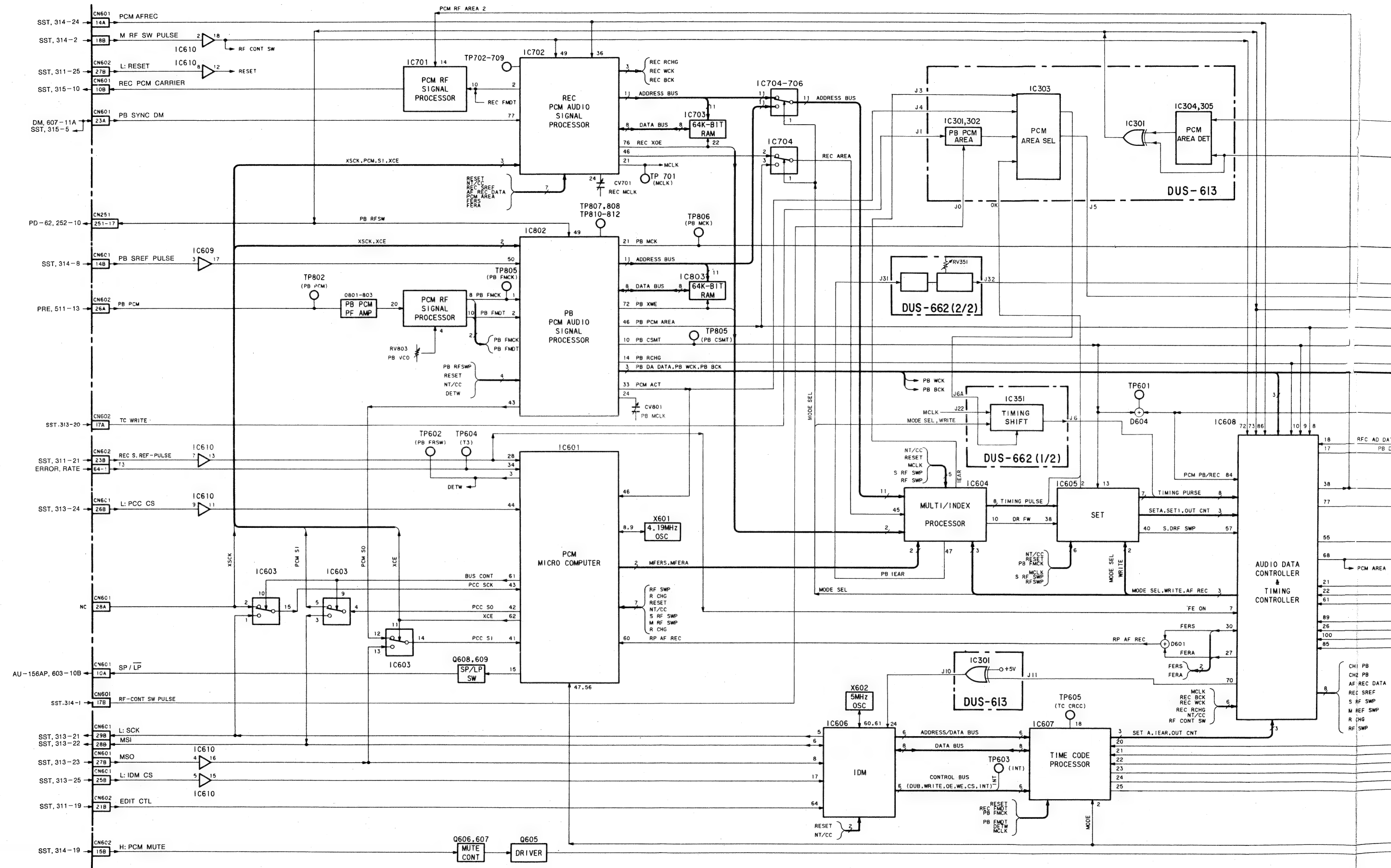


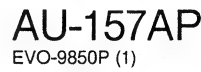
AFM Audio Processor



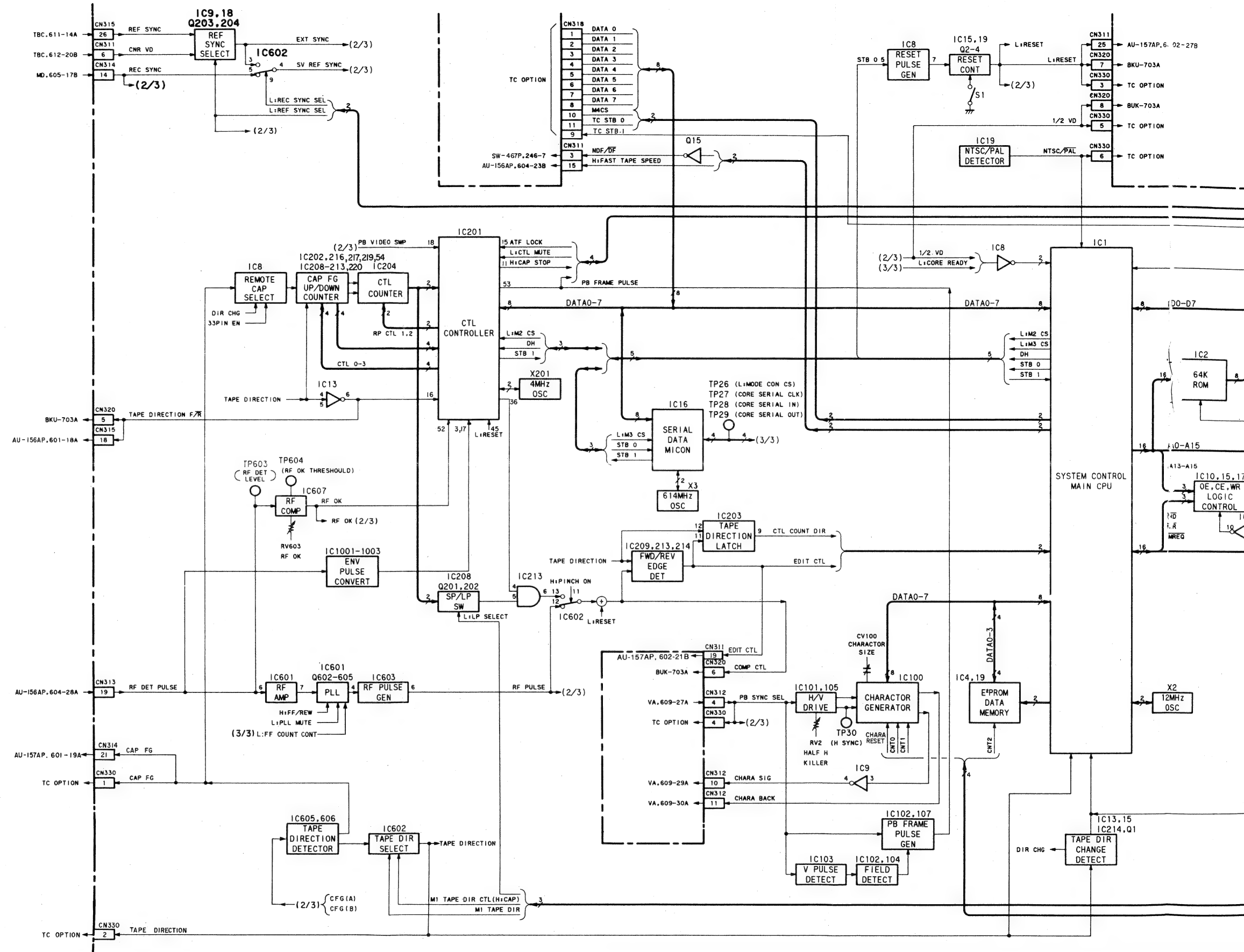


PCM Audio Processor

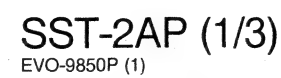




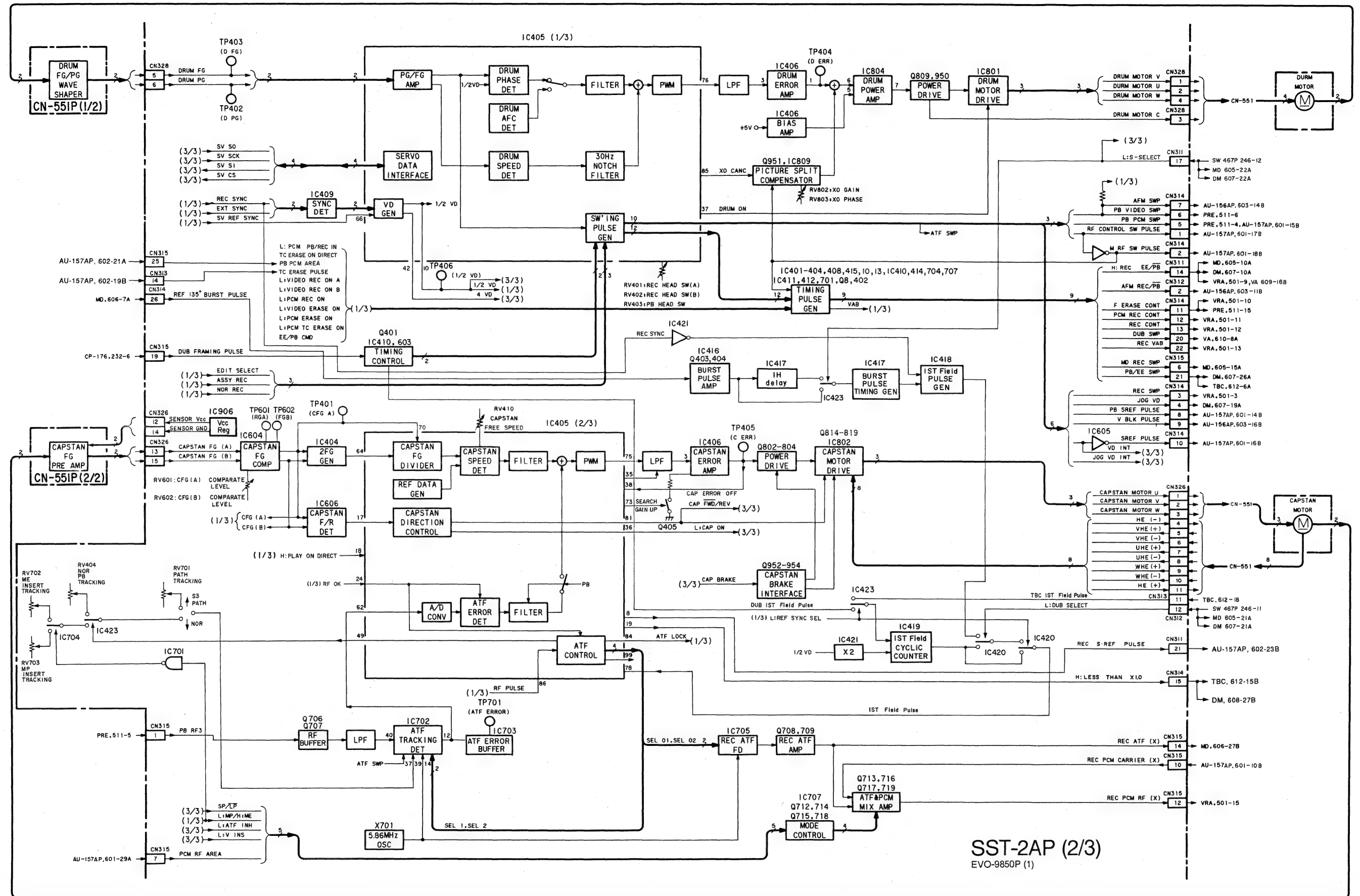
SYSTEM CONTROL SYSTEM CONTROL



SYSTEM CONTROL



Drum/Capstan/ATF Servo Control



SECTION 12

SEMICONDUCTOR PIN ASSIGNMENTS

ICs, transistors and diodes whoses functions are equivalent are described here. Therefore, incompatible device names may be described together. For parts replacement, refer to the Spare Parts section in this manual.

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BX1262	12-47	M50747H-161FP	12-34	SN74HC139ANS	12-38
BX1262L	12-47	M5201FP	12-29	SN74HC14ANS	12-39
CF77309FR	12-4	M51953BL	12-46	SN74HC157ANS	12-39
CX20099	12-4	M54516F	12-29	SN74HC160NS	12-39
CX20102	12-4	M54516P	12-29	SN74HC163ANS	12-39
CX20115A	12-5	M5F7905L	12-46	SN74HC164ANS	12-39
CX20158	12-4	MB87647	12-51	SN74HC175ANS	12-40
CX23065A	12-4	MB88201HPF-539N	12-29	SN74HC193ANS	12-40
CX877	12-5	MB88303	12-35	SN74HC20ANS	12-40
CXA1077M	12-5	MC10H116M	12-29	SN74HC32ANS	12-40
CXA1106M	12-5	MC14013BF	12-29	SN74HC36NS	12-40
CXA1203N	12-47	MC14017BF	12-29	SN74HC541ANS	12-40
CXA1204Q	12-6	MC14049UBF	12-31	SN74HC574ANS	12-41
CXA1207AR	12-6	MC14052BF	12-31	SN74HC74ANS	12-40
CXA1208R	12-8	MC14053BF	12-33	SN74HC86ANS	12-41
CXA1234AR	12-9	MC14066BF	12-33	TA7357AP	12-41
CXA1488R	12-10	MC14069UBF	12-36	TA7733F	12-41
CXA1536Q	12-11	MC14538BF	12-36	TA7745F	12-41
CXD1066Q-Z	12-12	MC1496M	12-36	TC4030BFHB	12-41
CXD1077M	12-13	MC34184M	12-36	TC74HC123AF	12-42
CXD1095Q	12-14	MC3486N	12-36	TC74HC221AF	12-42
CXD1175AM	12-13	MC3487N	12-36	TC74HC4053AF	12-42
CXD1176Q	12-16	NJM2233BM	12-36	TC74HC4538AF	12-42
CXD1208Q	12-14	NJM4556M-A	12-37	TC74HC86AF	12-41
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CXD1217M	12-18	NJM4562M	12-37	TL431CLP	12-46
CXD1226Q	12-20	NJM78L05A	12-37	TL431CPS	12-42
CXD1227Q	12-22	NJM79L05A	12-37	TL592PS	12-42
CXD1228Q	12-24	RC3414M	12-37	TL610CPS	12-43
CXD1229Q	12-17	RC4556MA	12-37	TMP284C011BF-6	12-44
CXD2105AQ	12-26	RC4558M	12-37	TMS27C512-20JL	12-43
CXD2107M	12-19	RC4560M	12-37	UPC1037HA	12-43
CXD8369AQ	12-48	RC7805FA	12-37	UPC311G2	12-43
CXD8370Q	12-49	RC78L05A	12-37	UPC324G2	12-43
CXD8371M	12-50	RC79L05A	12-37	UPC339C	12-23
CXK1009P	12-21	S-80230AG	12-37	UPC358G2	12-43
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CXK5864BM-12L	12-25	SN74ALS163BNS	12-38	UPD75106G	12-45
CXL1506M	12-50			UPD75108G	12-45
CXL5502M	12-19			UPD7564CS	12-46
CXP5084H-645Q	12-28			Z84C4306FEC	12-52
CXP80116-870Q	12-30				

SEMICONDUCTOR INDEX

TRANSISTOR PAGE

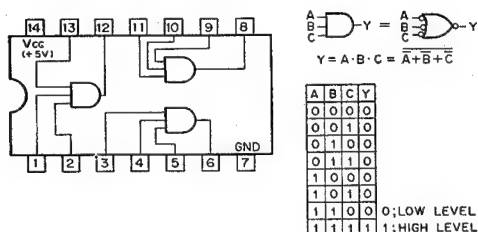
2SA1122D	12-53
2SA1162G	12-53
2SA1175	12-53
2SA1226	12-53
2SA1385	12-53
2SA1576	12-53
2SA1611	12-53
2SA812	12-53
2SB1114	12-53
2SB1121	12-53
2SB1188	12-53
2SB841	12-53
2SC1623	12-53
2SC1826	12-53
2SC2223	12-53
2SC2712	12-53
2SC2715Y	12-53
2SC3326N	12-53
2SC3518	12-53
2SC4081	12-53
2SC4177	12-53
2SC4178	12-53
2SC4213A	12-53
2SD1081	12-53
2SD1309	12-53
2SD1614	12-53
2SD2096	12-53
2SD992A	12-53
2SK94	12-53
DTA124EU	12-53
DTA124XK	12-53
DTA143XS	12-53
DTA144EU	12-53
DTC114ES	12-53
DTC124EU	12-53
DTC144EK	12-53
DTC144EU	12-53
FMS1FE	12-53
FMW1	12-53

DIODE PAGE

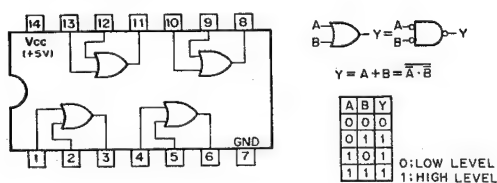
02CZ??	12-54
10E-2	12-54
1S2835	12-54
1S2837	12-54
1SS119	12-54
1SS120	12-54
1SS123	12-54
1SS226	12-54
1SS99	12-54
1T32	12-54
1T33C	12-54
D10LC20U	12-54
D10SC4M	12-54
D3SB60	12-54
DAN202U	12-54
DAN212K	12-54
DAP202U	12-54
E10DS2	12-54
FC54M	12-54
GL-5HD5	12-54
LB402VK	12-54
LT-9200H	12-54
LT-9200N	12-54
MA-159	12-54
RD??M	12-54
TLG124A	12-54
TLG256	12-54
TLUG144	12-54
TLUG154	12-54
TLUY144	12-54
TLY256	12-54

The circuit diagram of each IC is obtained from the IC data book published by the manufacturer.

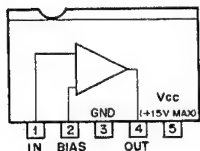
74F11SJ (NS) FLAT PACKAGE
TTL 3-INPUT POSITIVE-AND GATE
- TOP VIEW -



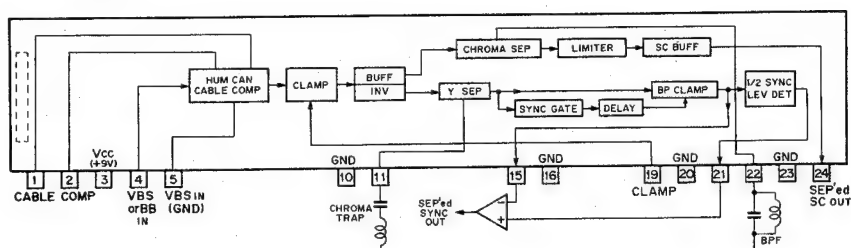
74F32SJ (NS) FLAT PACKAGE
TTL 2-INPUT POSITIVE-OR GATE
- TOP VIEW -



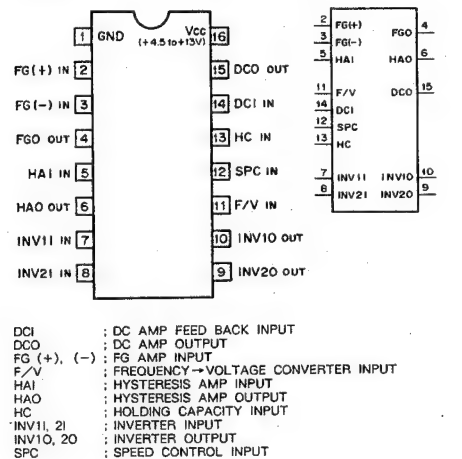
BA401 (ROHM)
RF AMPLIFIER
- SIDE VIEW -



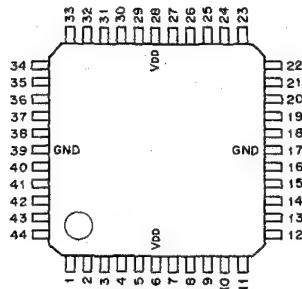
BX1040 (SONY)
SYNC SEPARATOR
- REAR VIEW -



BA6303F (ROHM) FLAT PACKAGE
FG SYSTEM SPEED SERVO CONTROLLER
- TOP VIEW -



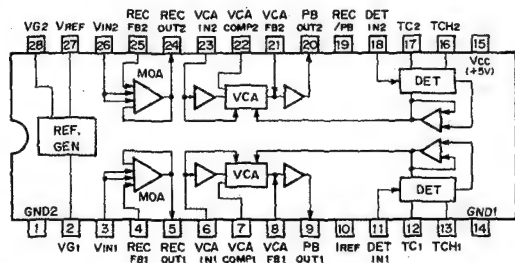
CF77309FR (TI)
CMOS TIMING GENERATOR FOR 8mm VTR ADDRESS SYSTEM
- TOP VIEW -



(V_{DD} = +5V)

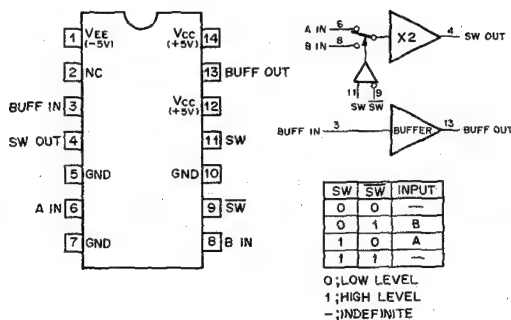
PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	IEAR	12	I	CSMT	23	O	LCLK	34	I	RAMP
2	O	SIEAR	13	I	CRCHOM1	24	O	SW POS	35	O	S RAMP
3	I	RFMDZ	14	I	FMCK	25	I	CAM/DECK	36	I	RAREA
4	O	S RFMD	15	I	P1/P2	26	I	MODE	37	O	S RARE
5	I	RFAR	16	I	AUTO	27	I	WRITE	38	I	DRSWP
6	-	V _{DD}	17	-	GND	28	-	V _{DD}	39	-	GND
7	O	S RFAR	18	I	MCLK1	29	I	RESET	40	O	S DRSWP
8	I	FERA	19	O	MCLK2	30	I	RFSWP	41	I	MDAR
9	O	S FERA	20	I	SREF	31	O	OUT CNT	42	O	S MDAR
10	I	FERS	21	O	PCO	32	O	SET1	43	I	TEST1
11	O	S FERS	22	I	NTSC/PAL	33	O	SET1010	44	I	TEST2

CX20099 (SONY) FLAT PACKAGE
VOLTAGE CONTROLLED AMP/DETECTOR/MAIN OPERATIONAL AMP
- TOP VIEW -

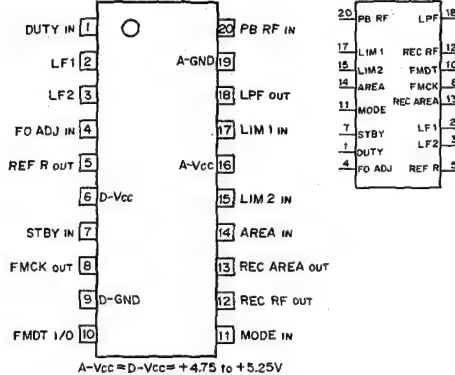


DET : DETECTOR
TC : TIME CONSTANT
TCH : TIME CONSTANT HOLD
VCA : VOLTAGE CONTROLLED AMP

CX20158 (SONY) FLAT PACKAGE
VIDEO SWITCHER AND BUFFER
- TOP VIEW -



CX20102 (SONY) FLAT PACKAGE
PCM-RF SIGNAL PROCESSOR
- TOP VIEW -



A - V_{CC} = D - V_{CC} = +4.75 to +5.25V

STBY	MODE	AREA	OPERATION
0	X	X	POWER SAVE
1	1	X	PB
1	0	1	REC
1	0	0	RECSTANDBY

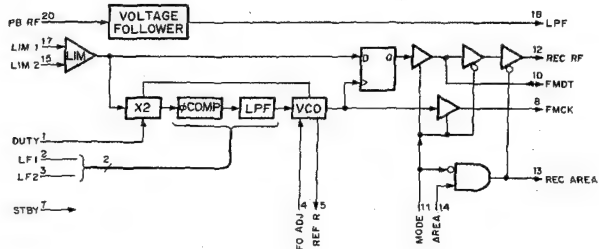
0 : LOW LEVEL
1 : HIGH LEVEL
X : DON'T CARE

INPUT
AREA : AREA INPUT (C MOS LEVEL)
DUTY : SAMPLING PHASE FINE ADJUSTMENT
FO ADJ : VCO FREE RUN FREQUENCY ADJUSTMENT
LIM 1, 2 : LIMITER INPUT
MODE : REC/PB SELECTOR (C MOS LEVEL)
PB RF : VOLTAGE FOLLOWER INPUT
STBY : POWER SAVE CONTROL INPUT
L : STAND BY (C MOS LEVEL)

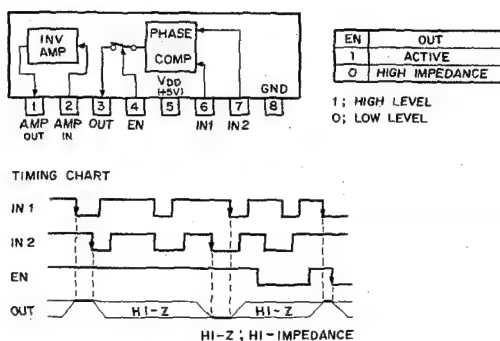
OUTPUT
FMCK : CLOCK OUTPUT
LPF : VOLTAGE FOLLOWER OUTPUT
REC AREA : REC AREA OUTPUT (C MOS LEVEL)
REC RF : REC MODE RF OUTPUT (C MOS LEVEL)
REF R : RESISTOR EXTERNAL ATTACHED VCO

INPUT/OUTPUT
FMDT : DATA INPUT/OUTPUT

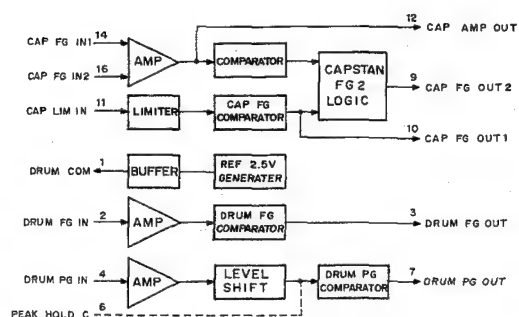
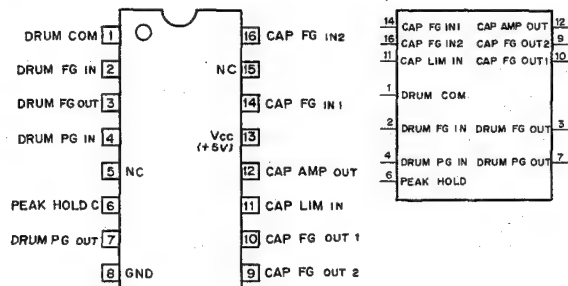
OTHER
LFI, 2 : EXTERNAL LOOP FILTER TIME CONSTANT



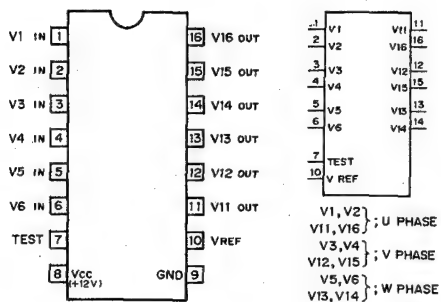
CX23065A (SONY)
N-MOS PHASE COMPARATOR WITH INVERSION AMPLIFIER
- PRINTED SIDE VIEW -



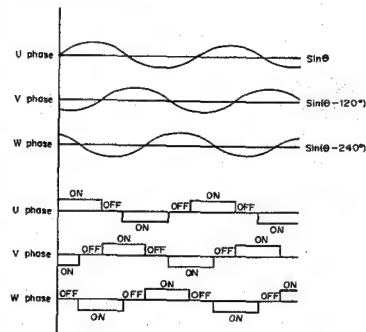
CX20115A (SONY) FLAT PACKAGE
MOTOR SENSE AMP
- TOP VIEW -



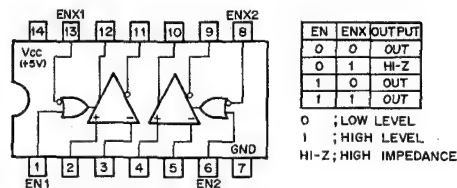
CX877 (SONY)
MOTOR DRIVER
- TOP VIEW -



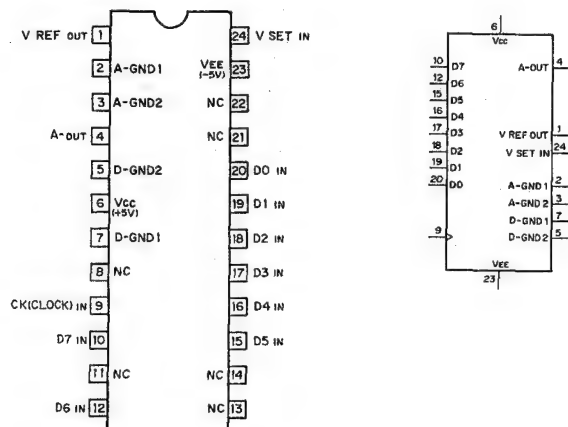
TIMING CHART



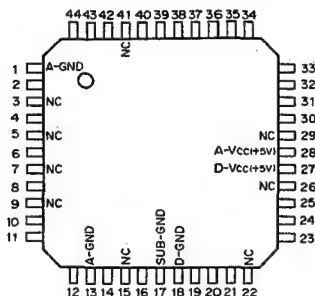
CXA1077M (SONY)
DUAL DIFFERENTIAL PRE-AMPLIFIER
- TOP VIEW -



CXA1106M (SONY) FLAT PACKAGE
8-BIT D/A CONVERTER (TTL INPUT)
- TOP VIEW -



CXA1204Q (SONY) FLAT PACKAGE

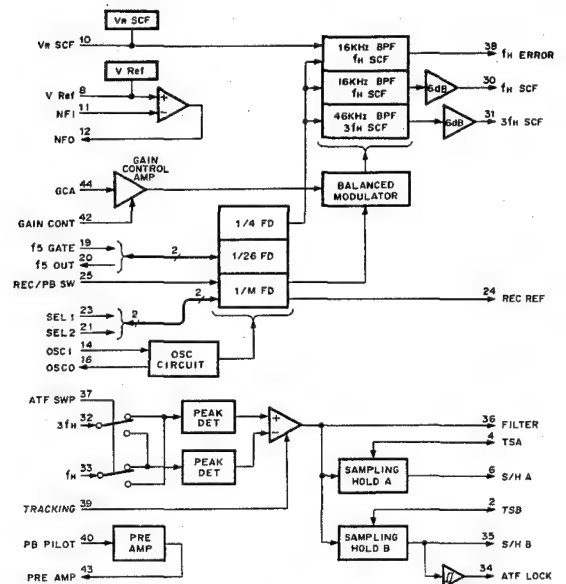
CMOS ATF (Automatic Track Finding) FOR 8mm VTR
- TOP VIEW -

(A - Vcc = D - Vcc = + 5V)

PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL
1	-	A-GND	16	O	OSCO	31	O	3fh SCF
2	I	TSB	17	-	SUB-GND	32	I	3fh
3	-	NC	18	-	D-GND	33	I	f1h
4	I	TSA	19	I	f1h GATE	34	O	ATF LOCK
5	-	NC	20	O	f1h OUT	35	O	S/H B
6	O	S/H A	21	I	SEL2	36	O	FILTER
7	-	NC	22	-	NC	37	I	ATF SWP
8	I	Vref	23	I	SEL1	38	O	f1h ERROR
9	-	NC	24	O	REC REF	39	I	TRACKING
10	I	Vr SCF	25	I	REC/PB SW	40	I	PB PILOT
11	I	NFI	26	-	NC	41	-	NC
12	O	NFO	27	-	D-Vcc	42	I	GAIN CONT
13	-	A-GND	28	-	A-Vcc	43	O	PRE AMP
14	I	OSCI	29	-	NC	44	I	GCA
15	-	NC	30	O	f1h SCF			

PIN NO.	I/O	SYMBOL	INPUT	SYMBOL	OUTPUT
44	I	GCA	f1h SCF	31h	31h SCF
42	I	GAIN CONT	31h SCF	ATF SWP	ATF LOCK
10	I	Vr SCF	f1h ERROR	f1h	f1h SCF
18	I	f1h GATE	f1h OUT	GAIN CONT	f1h OUT
23	I	SEL1	REC REF	24	REC REF
21	I	SEL2	REC REF	24	REC REF
25	I	REC/PB SW	OSC1	OSC1	OSC1
33	I	f1h	OSC2	OSC2	OSC2
32	I	31h	FILTER	36	FILTER
37	I	ATF SWP	S/H A	6	S/H A
39	I	TRACKING	S/H B	35	S/H B
4	I	TSA	ATF LOCK	34	ATF LOCK
2	I	TSB			
6	I	Vref	NFO	12	NFO
10	I	NFI	PB PILOT PRE AMP	43	PB PILOT PRE AMP
40	I	PB PILOT PRE AMP			

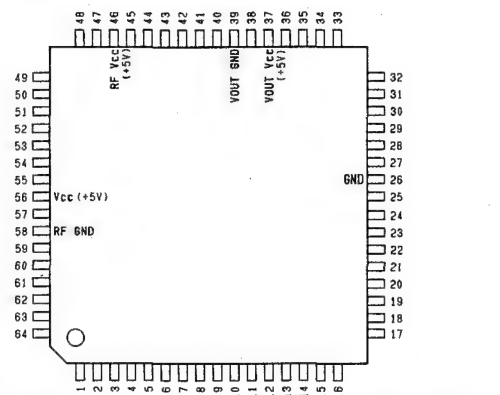
INPUT	SEL1	SEL2	DIVIDING RATIO
0	0	0	1/40
0	1	1	1/50
1	0	0	1/36
1	1	1	1/58

0 : LOW LEVEL (up to 0.5V)
1 : HIGH LEVEL (at least 3.5V)NOTE: FD; FREQUENCY DEMULTIPLIER
SCF; SWITCHED CAPACITOR FILTER

CXA1207AR (SONY)

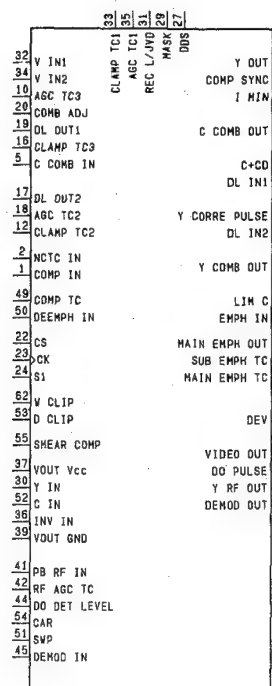
8mm VTR LUMINANCE SIGNAL PROCESSING

- TOP VIEW -



(Vcc = +5V)

PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	I	COMP IN	17	I	DL OUT2	33	I	CLAMP TC1	49	I	COMP TC
2	I	NCTC IN	18	I	AGC TC2	34	I	V IN2	50	I	DEEMPH IN
3	I	EMPH IN	19	I	DL OUT1	35	I	AGC TC1	51	I	SWP
4	I	LIM C	20	I	COMB ADJ	36	I	JNV IN	52	I	C IN
5	I	C COMB IN	21	O	DL IN1	37	-	VOUT Vcc	53	I	D CLIP
6	-	VREG	22	I	CS	38	O	VIDEO OUT	54	I	CAR
7	O	Y COMB OUT	23	I	CK	39	-	VOUT GND	55	I	SHEAR COMP
8	-	IR	24	I	S1	40	I	I MIN	56	-	Vcc
9	O	Y CORRE PULSE	25	I	COMP SYNC	41	I	PB RF IN	57	I	DEV
10	I	AGC TC3	26	-	GND	42	I	RF AGC TC	58	-	RF GND
11	O	C*CD	27	I	DDS	43	O	Y RF OUT	59	O	MAIN EMPH OUT
12	I	CLAMP TC2	28	O	Y OUT	44	I	DO DET LEVEL	60	-	VBI
13	O	C COMB OUT	29	I	MASK	45	I	DEMOP IN	61	O	MAIN EMPH TC
14	-	YREF	30	I	Y IN	46	-	RF Vcc	62	I	V CLIP
15	O	DL IN2	31	I	REC L/JVD	47	O	DEMOP OUT	63	O	SUB EMPH TC
16	I	CLAMP TC3	32	I	V IN1	48	O	DO PULSE	64	-	VBI



INPUT

AGC TC1: TIME CONSTANT CONNECT FOR I/O BLOCK AGC CIRCUIT.

AGC TC2, TC3: TIME CONSTANT CONNECT FOR VCA CIRCUIT IN COMB FILTER BLOCK.

C COMB IN: CHROMA INPUT SIGNAL TO COMB FILTER.

C IN: CHROMA SIGNAL INPUT.

CK: CARRIER FREQUENCY SET.

CLAMP TC1-TC3: TIME CONSTANT CONNECT FOR FEEDBACK CLAMP CIRCUIT.

COMB ADJ: VCA GAIN ADJUSTMENT PIN IN COMB FILTER BLOCK.

COMP IN: APPLIES EXTERNAL TIME CONSTANT CONNECT FOR NOISE CANCELER HPF.

COMP TC: APPLIES EXTERNAL TIME CONSTANT CONNECT FOR CLIP COMP CIRCUIT.

CS: CHIP SELECT.

D CLIP: DARK CLIP LEVEL DETERMINES.

DEEMPH IN: DEEMPHASIS CIRCUIT INPUT.

DEMOD IN: FM-DEMODULATION CIRCUIT INPUT.

DDS: DDS (DATE DISPLAY SYSTEM) VOW (CHARACTER LEVEL) SIGNAL INPUT.

DL OUT1: CCD DL (DELAY LINE) OUTPUT SIGNAL INPUT.

DL OUT2: CCD DL (DELAY LINE) OUTPUT SIGNAL INPUT.

DO DET LEVEL: DROPOUT DETECTION LEVEL DETERMINES.

EMPH IN: EMPHASIS INPUT WHEN REC NOISE CANCELER OUT WHEN PB.

INV IN: INVERTED INPUT FOR Y SAG CORRECTION.

LIM C: CAPACITOR CONNECT FOR Y SAG CORRECTION.

MAIN EMPH TC: TIME CONSTANT CONNECT FOR MAIN EMPHASIS/DEEMPHASIS.

MAIN EMPH OUT: TIME CONSTANT CONNECT FOR MAIN EMPHASIS/DEEMPHASIS.

MASK: MASK TIMING PULSE INPUT FOR VOB (CHARACTER SUPERIMPOSE).

NCTC IN: TIME CONSTANT CONNECT FOR NOISE CANCELER HPF.

REC L/JVD: LEVEL ADJUSTMENT WHEN REC.

RF AGC TC: TIME CONSTANT CONNECT FOR RF AGC CIRCUIT.

PB RF IN: RF RF SIGNAL INPUT.

SHEAR COMP: USE FOR HIGH LUMINANCE SHEAR COMPENSATION.

SI: SERIAL INPUT.

SUB EMPH TC: TIME CONSTANT CONNECT FOR SUB EMPHASIS/DEEMPHASIS.

SWP: RF SWITCHING PULSE AND HEAD CHANGE PULSE.

V IN1, V IN2: VIDEO SIGNAL INPUTS.

V REG: 4.2 V REGULATOR OUTPUT PIN.

V CLIP: 4.2 V CLIP LEVEL DETERMINES.

V IN: Y SIGNAL OR VIDEO SIGNAL INPUT.

OUTPUT

C+CD: Y AND C SIGNALS PROCESSED BY Y COMB FILTER.

C COMB OUT: C SIGNAL PROCESSED BY COMB FILTER.

COMP SYNC: COMPOSITE SYNC SIGNAL.

DEMOD OUT: FM-DEMODULATED Y SIGNAL OUTPUT.

DEV: DEVIATION FREQUENCY SET.

DL IN1: SIGNAL OUT TO CCD DL.

DL IN2: PLAYBACK Y SIGNAL OUTPUT TO CCD DL.

DO PULSE: IN THE SYSTEM THAT TWO CCD DL ARE USED.

I MIN: DROPOUT DETECTION PULSE.

- VIDEO OUT: EXTERNAL REFERENCE CURRENT SOURCE.
- V REG: 4.2 V REGULATOR OUTPUT.
- Y COMB OUT: Y SIGNAL PROCESSED BY COMB FILTER.
- Y CORRE PULSE: ERROR PULSE FOR Y SIGNAL CORRELATION DETECTION.
- Y OUT: I/O BLOCK SIGNAL.
- Y RF OUT: FM-MODULATED Y SIGNAL OUT.

OTHER

IR: REFERENCE CURRENT SOURCE.

RF GND: RF BLOCK GND PIN.

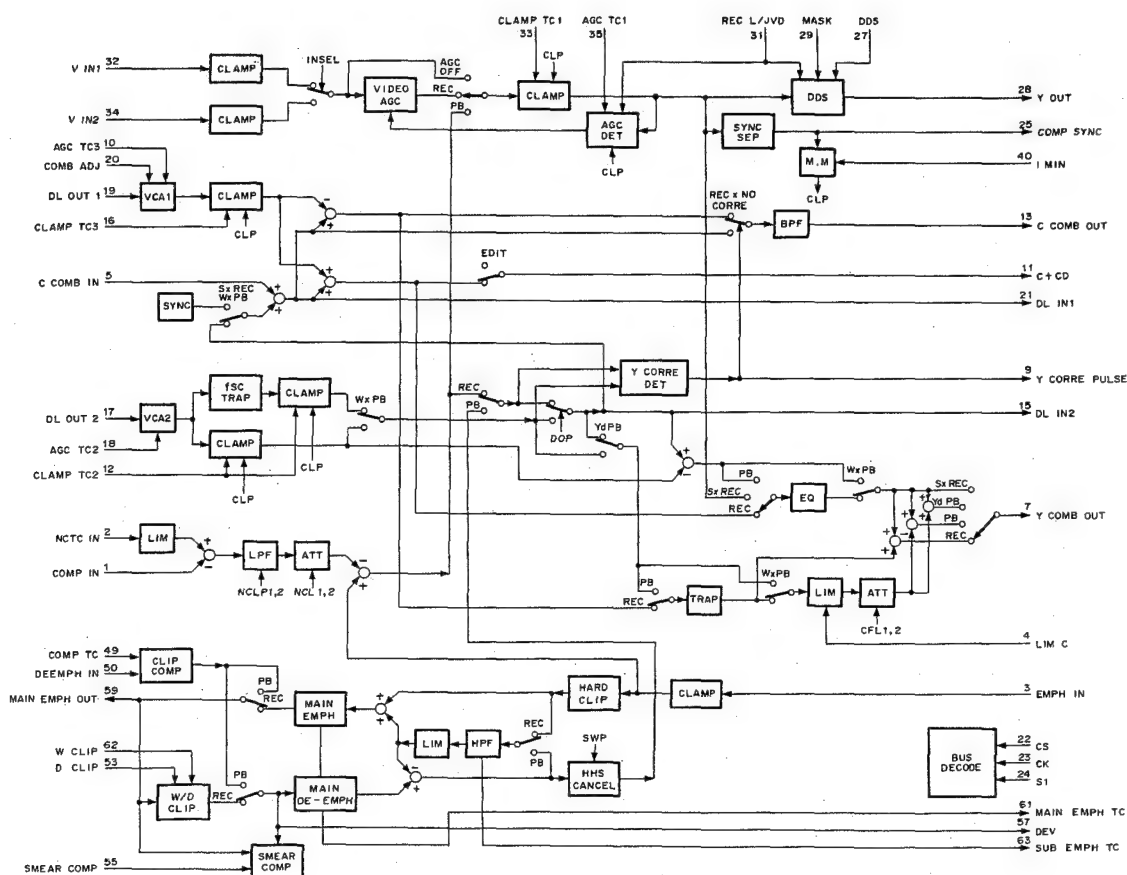
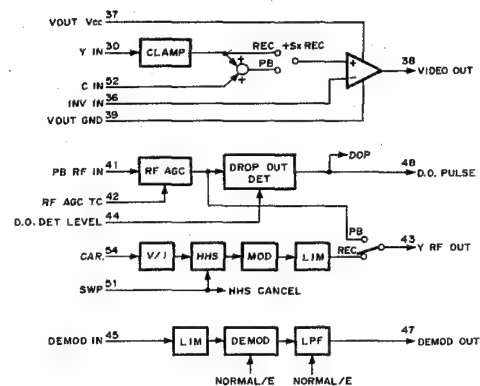
RF VCC: RF BLOCK POWER SUPPLY FOR RF BLOCK.

V81, V82: INTERNAL REFERENCE VOLTAGE SOURCE.

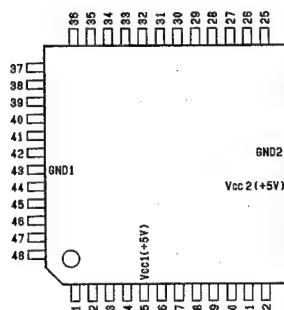
VOUT VCC: POWER SUPPLY FOR VIDEO OUT CIRCUIT.

VOUT GND: GND FOR VIDEO OUT CIRCUIT.

VREF: INTERNAL REFERENCE VOLTAGE SOURCE.



CX1A208R (SONY)

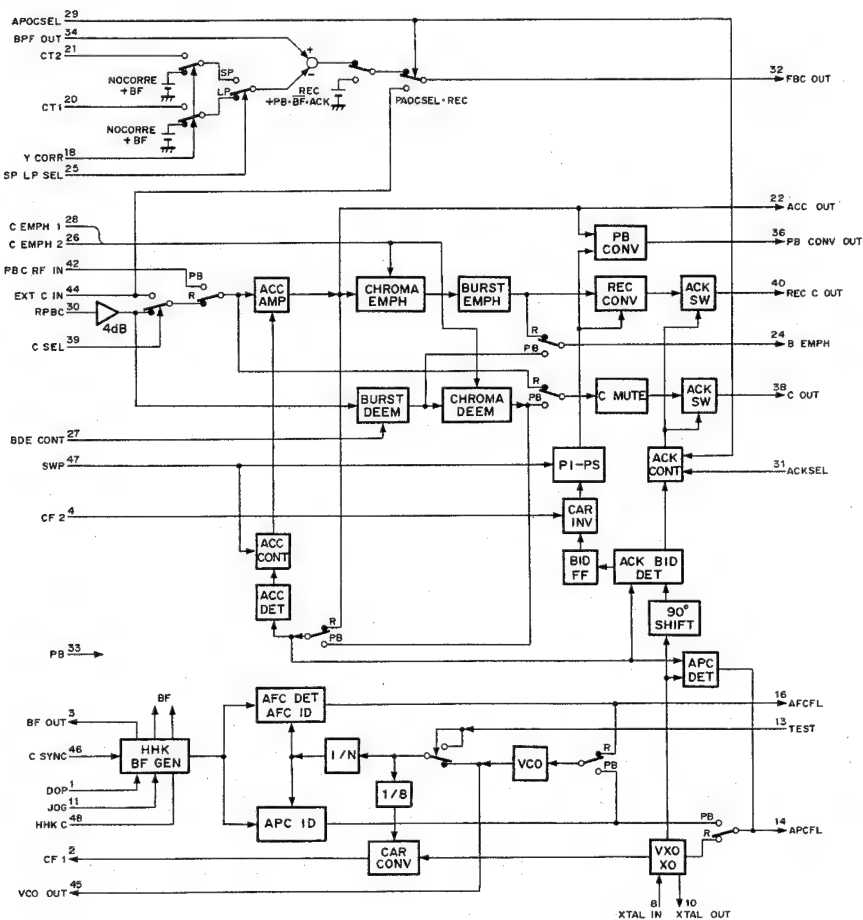
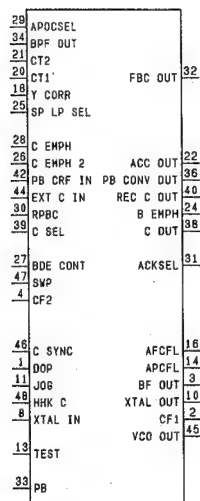
8mm VTR COLOR SIGNAL PROCESSING
- TOP VIEW -

No	I/O	SYMBOL	No	I/O	SYMBOL	No	I/O	SYMBOL
1	I	DDP	17	-	Vcc2	33	I	PB
2	O	CF1	18	I	Y CORR P	34	I	BPF OUT
3	O	BF OUT	19	-	GND2	35	D	ACKBF
4	I	CF2	20	I	CT1	36	O	PB CONV OUT
5	-	Vcc1	21	I	CT2	37	I	C MUTE
6	-	IREF	22	O	ACC OUT	38	O	C OUT
7	-	VREG	23	-	-	39	I	C SEL
8	I	XTAL IN	24	O	B EMPH OUT	40	O	REC C OUT
9	-	IR	25	I	SP LP SEL	41	I	PAL
10	O	XTAL OUT	26	-	C EMPH 2	42	I	PB C RF IN
11	I	JOG	27	I	BDECONT	43	-	GND1
12	O	FSC OUT	28	-	C EMPH 1	44	I	EXT C IN
13	I	TEST	29	I	PAOCSEL	45	O	VCO OUT
14	-	APCFL	30	I	RPBC	46	I	C SYNC
15	-	DCFB	31	I	ACKSEL	47	I	SWP
16	-	APCFL	32	O	FBC OUT	48	-	HHK C

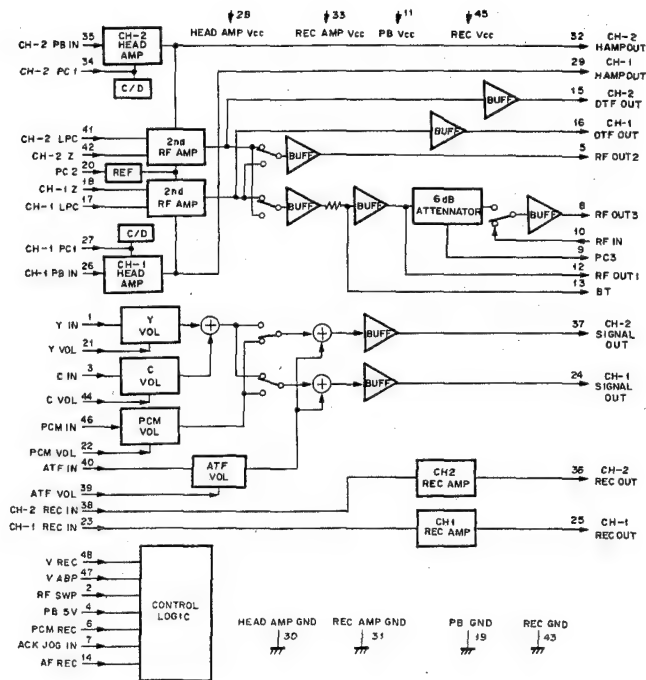
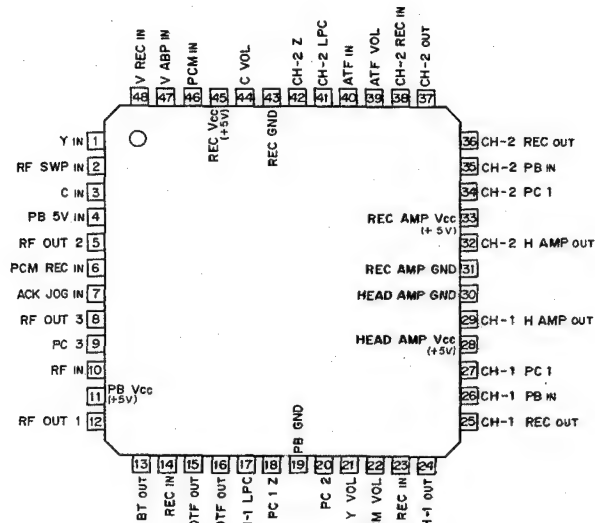
INPUT
 ACK SEL : ACK SW MODE SELECT.
 B DE CONT : ADJUSTS BURST DEEMPHASIS AMOUNT WHEN PB.
 BPF OUT : FILTERED SIGNAL AFTER FREQUENCY CONVERT WHEN PB.
 C MUTE : COLOR SIGNAL MUTE SELECT
 C SEL : CHROMA SIGNAL INPUT SELECT WHEN REC.
 C SYNC : COMPOSITE SYNC
 CF2 : CF1 SIGNAL FILTERED BY BPF (NTSC: 4.32 MHz/PAL: 5.17 MHz)
 CT1 : CROSSTALK (C+CD) SIGNAL FROM CX1A207A WHEN SP AND LP SEL IS LOW (LP).
 CT2 : CROSSTALK (C+CD) SIGNAL FROM CX1A207A WHEN SP AND LP SEL IS HIGH.
 DOP : DROPOUT DETECTION PULSE INPUT
 EXT C IN : CHROMA RF SIGNAL WHEN REC.
 JOG : CONTROL FOR JOG PLAYBACK
 PAO C SEL : SETTING WHEN CAMERA REC.
 PAL : PAL SELECT (H: PAL, L: NTSC)
 PB : REC/PB MODE SELECT (H: PB, L: REC)
 PB C RF IN : CHROMA RF SIGNAL WHEN PB.
 R PB C : CHROMA SIGNAL
 SP LP SEL : SP/LP SELECT
 SWP : RF SW PULSE
 TEST : TEST MODE
 XTAL IN : REFERENCE INPUT FOR CRYSTAL OSC
 Y CORR P : Y SIGNAL H CORRELATED PULSE FROM CX1A207A.

OUTPUT
 ACC OUT : ACC AMP OUTPUT.
 ACK BF : BF PULSE WHEN ACK.
 B EMPH OUT : CHROMA/EMPHASIS BURST SIGNAL (WHEN REC) BURST DEEMPHASIS SIGNAL (WHEN PB)
 BF OUT : BURST FLAG.
 C OUT : CHROMA SIGNAL WHEN PB.
 CF1 : CARRIER CONVERTER SIGNAL
 FBC OUT : CHROMA SIGNAL
 FSC OUT : fsc & DELAY LINE CLOCK
 PB CONV OUT : FREQUENCY CONVERTED CHROMA SIGNAL WHEN PB.
 REC C OUT : FREQUENCY CONVERTED CHROMA SIGNAL WHEN REC.
 VCO OUT : 3781H (5.9MHz) : NTSC
 VREG : 4.2V REGULATOR
 XTAL OUT : REFERENCE OUTPUT FOR CRYSTAL OSC

OTHER
 AFC FL : CONNECT FILTER FOR AFC
 APC FL : CONNECT FILTER FOR APC
 C EMPH 1 : CONNECT BPF CHROMA EMPHASIS
 C EMPH 2 : CONNECT CHROMA EMPHASIS PHASE ADJUSTMENT COIL
 DCFB : CONNECT FILTER FOR VCO NO ADJUSTMENT
 HHK C : CONNECT TIME CONSTANT FOR C SYNC EQUIVALENT PULSE
 IR : CONNECT FOR DECOUPLING
 IREF : EXTERNAL REFERENCE CURRENT



CXA1234AR (SONY) FLAT PACKAGE
VIDEO RF REC/PB AMPLIFIER
- TOP VIEW -



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INPUT
ACK JOG IN      : VIDEO/RF SELECT FOR RF OUT 3
AF REC          : AFTER RECORDING MODE
ATF IN          : REC ATF SIGNAL INPUT
ATF VOL         : REC ATF GAIN CONTROL
CH1 IN         : REC CHROMA GAIN CONTROL
CH-1 PB IN     : CH-1 HEAD AMP INPUT
CH-1 REC IN    : CH-1 REC AMP INPUT
CH-2 PB IN     : CH-2 HEAD AMP INPUT
CH-2 REC IN    : CH-2 REC AMP INPUT
C VOL          : REC CHROMA GAIN CONTROL
CB SV          : PB ON/OFF HOLDING MODE
PCM IN         : REC PCM SIGNAL INPUT
PCM REC        : PCM AUDIO RECORDING MODE
PCM VOL        : REC PCM GAIN CONTROL
RF IN          : VIDEO INPUT FOR RF OUT 3
RF SWP IN      : RF SWITCHING PULSE INPUT
LBP IN         : OVER LAP RECORDING MODE INPUT
V REC IN       : VIDEO RECORDING MODE INPUT
Y IN           : REC Y INPUT
Y VOL          : REC Y GAIN CONTROL

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OUTPUT
BT          : BIAS TRAP FILTER
CH-1 OUT   : REC CH-1 OUTPUT
CH-1 DTF OUT : DTF CH-1 OUTPUT
CH-1 H AMP OUT : CH-1 HEAD AMP OUTPUT
CH-1 REC OUT : CH-1 REC AMP OUTPUT
CH-2 OUT    : REC CH-2 OUTPUT
CH-2 DTF OUT : DTF CH-2 OUTPUT
CH-2 H AMP OUT : CH-2 HEAD AMP OUTPUT
CH-2 REC OUT : CH-2 REC AMP OUTPUT
RF OUT 1    : RF OUTPUT FOR VIDEO
RF OUT 2    : RF OUTPUT FOR PCM
RF OUT 3    : RF OUTPUT

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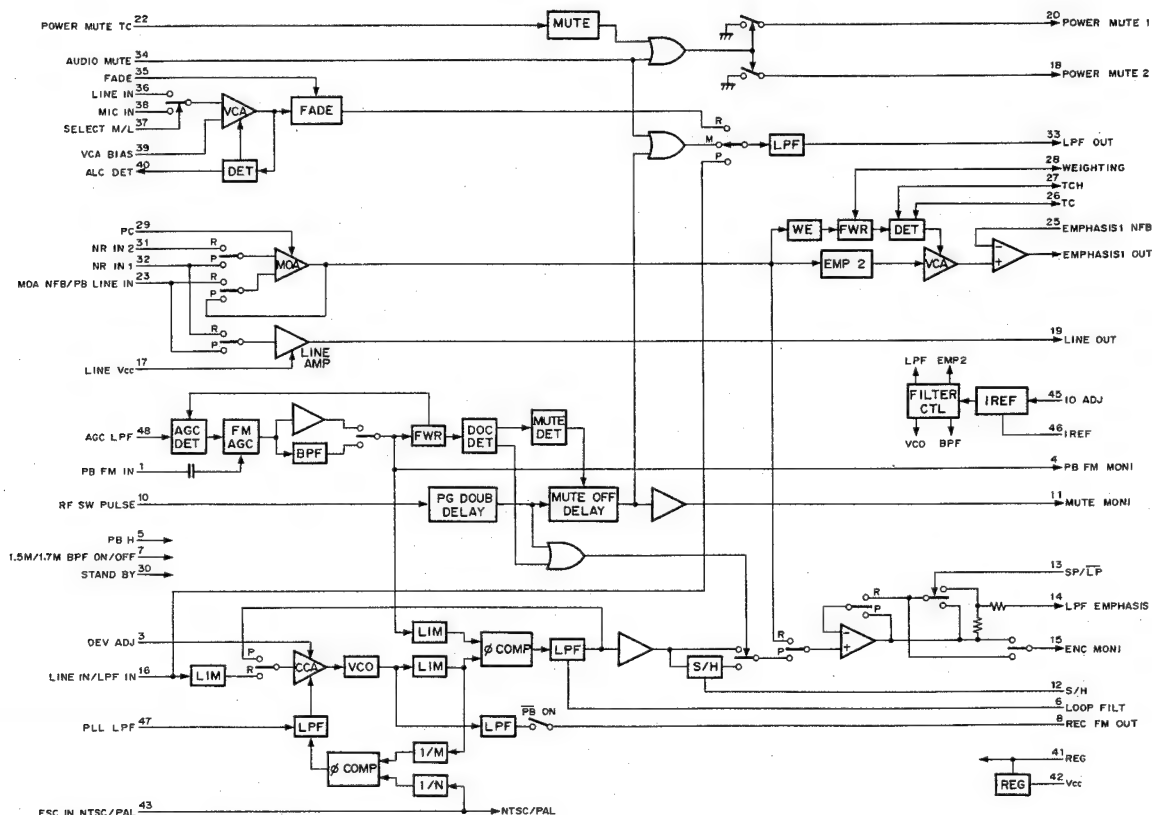
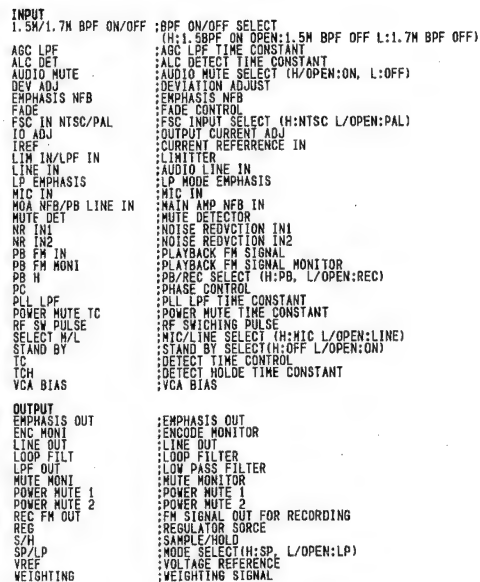
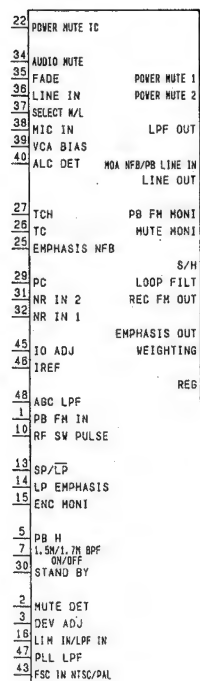
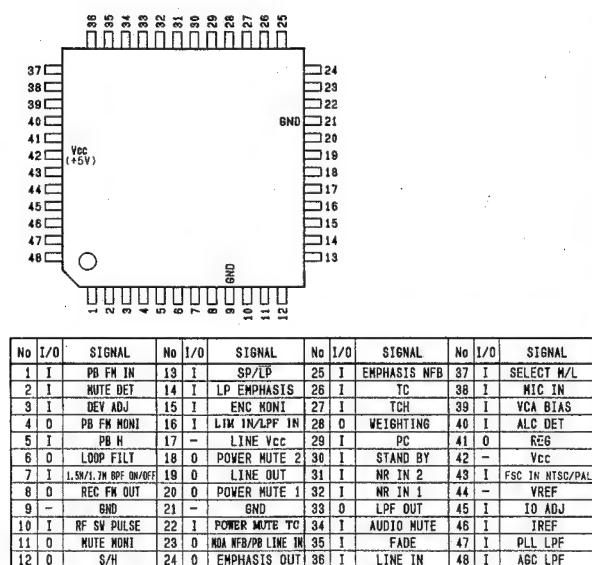
OTHERS

CH-1 LPC	: BYPASS CAPACITOR FOR CH-1 HEAD AMP
CH-1 PC1	: BYPASS CAPACITOR FOR CH-1 HEAD AMP
CH-1 Z	: LCR RESONANCE CIRCUIT
CH-2 LPC	: BYPASS CAPACITOR FOR CH-2 2nd RF AMP
CH-2 PC1	: BYPASS CAPACITOR FOR CH-2 HEAD AMP
CH-2 Z	: LCR RESONANCE CIRCUIT
PC 2	: BYPASS CAPACITOR
PC 3	: BYPASS CAPACITOR FOR ATTENUATER

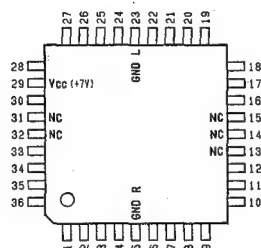
CXA1488R (SONY)

AFM SIGNAL PROCESSOR FOR 8mm VTR

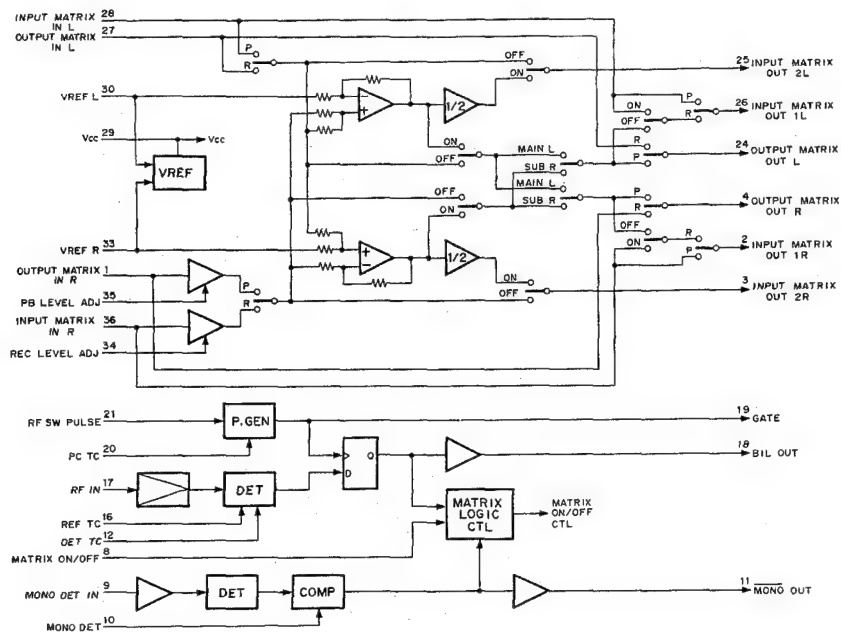
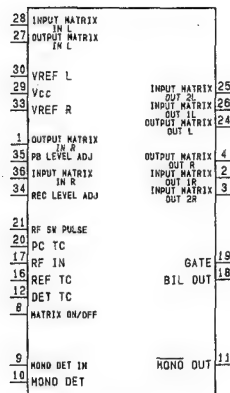
- TOP VIEW -



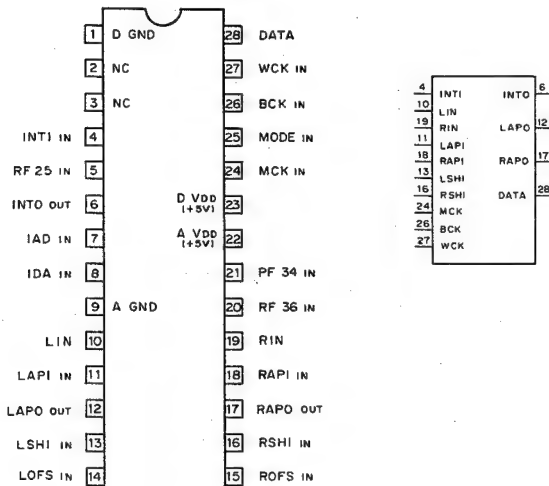
CXA1536Q (SONY)

AFM STEREO MATRIX FOR 8mm VTR
- TOP VIEW -

No	I/O	SIGNAL	No	I/O	SIGNAL	No	I/O	SIGNAL
1	I	OUTPUT MATRIX IN R	13	-	NC	25	I	INPUT MATRIX OUT 2L
2	I	INPUT MATRIX OUT 1R	14	-	NC	26	I	INPUT MATRIX OUT 1L
3	I	INPUT MATRIX OUT 2R	15	-	NC	27	I	OUTPUT MATRIX IN L
4	O	OUTPUT MATRIX OUT R	16	O	REF TC	28	I	INPUT MATRIX IN L
5	-	GND R	17	O	RF IN	29	I	Vcc (+7V)
6	O	SELECT 1	18	O	BIL OUT	30	I	VREF L
7	I	SELECT 2	19	O	GATE	31	-	NC
8	O	MATRIX ON/OFF	20	-	PC TC	32	-	NC
9	-	MONO DET IN	21	-	RF SW PULSE	33	I	VREF R
10	I	MONO DET	22	I	PB/REC	34	I	REC LEVEL ADJ
11	O	MONO OUT	23	-	GND L	35	I	PB LEVEL ADJ
12	O	DET TC	24	O	OUTPUT MATRIX L	36	O	INPUT MATRIX IN R

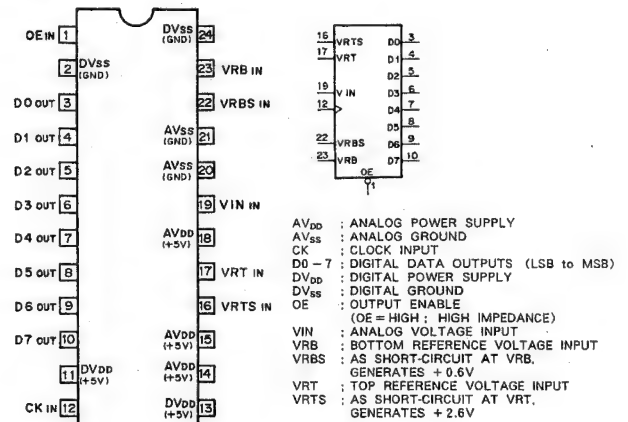


CXD1077M (SONY) MINI FLAT PACKAGE
C-MOS A/D, D/A CONVERTER FOR PCM AUDIO
- TOP VIEW -



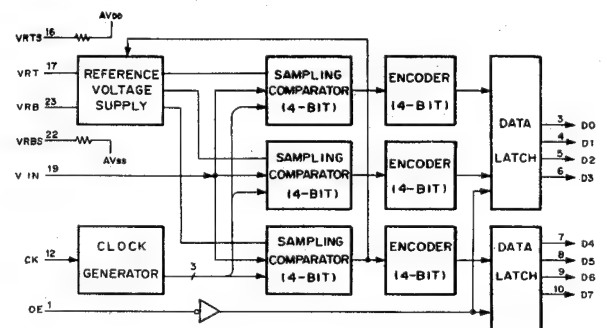
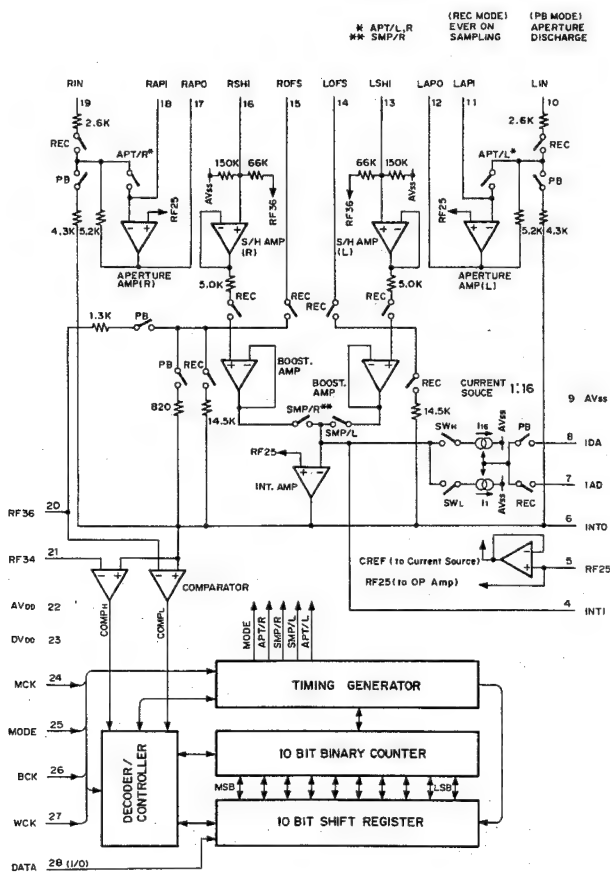
BCK ; BIT CLOCK INPUT TERMINAL
DATA ; DATA INPUT/OUTPUT TERMINAL
IAD ; INTEGRATION CURRENT SET UP TERMINAL (REC MODE)
IDA ; INTEGRATION CURRENT SET UP TERMINAL (PB MODE)
INT1 ; INTEGRATION AMP INPUT TERMINAL
INTO ; INTEGRATION AMP OUTPUT TERMINAL
LAPI ; APERTURE AMP INPUT TERMINAL (L)
LAPO ; APERTURE AMP OUTPUT TERMINAL (L)
LIN ; ANALOG SIGNAL INPUT TERMINAL (L)
LOFS ; OFFSET CORRECT TERMINAL (L)
LSHI ; SAMPLE & HOLD AMP (L) INPUT TERMINAL
MCK ; MASTER CLOCK INPUT TERMINAL
MODE ; REC MODE/PB MODE SET UP TERMINAL
RAPO ; APERTURE AMP OUTPUT TERMINAL (R)
RAPI ; APERTURE AMP INPUT TERMINAL (R)
RIN ; ANALOG SIGNAL INPUT TERMINAL (R)
RF25 ; IMAGE CONTACT ELECTRIC POTENTIAL SET UP TERMINAL
RF34 ; HIGHER RANK VOLTAGE SET UP TERMINAL
RF36 ; (REC) LOW RANK COMPARTOR VOLTAGE OR (PB) DISCHARGE VOLTAGE SET UP TERMINAL
ROFS ; OFFSET CORRECT TERMINAL (R)
RSHI ; SAMPLE & HOLD AMP (R) INPUT TERMINAL
WCK ; WORD CLOCK INPUT TERMINAL

CXD1175AM (SONY) FLAT PACKAGE
C-MOS 8-BIT 20MSPS VIDEO A/D CONVERTER
- TOP VIEW -

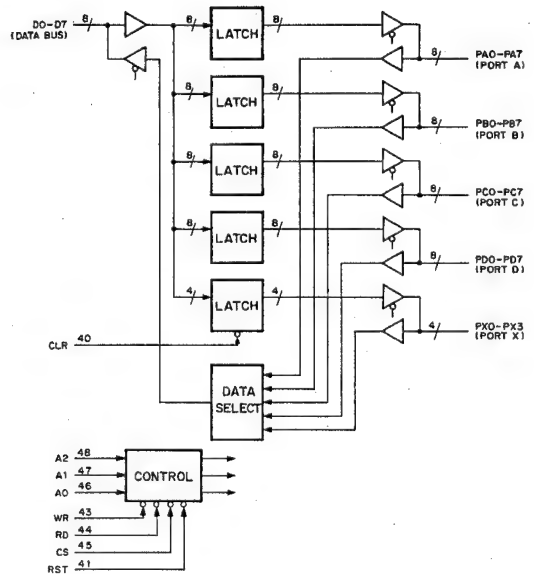
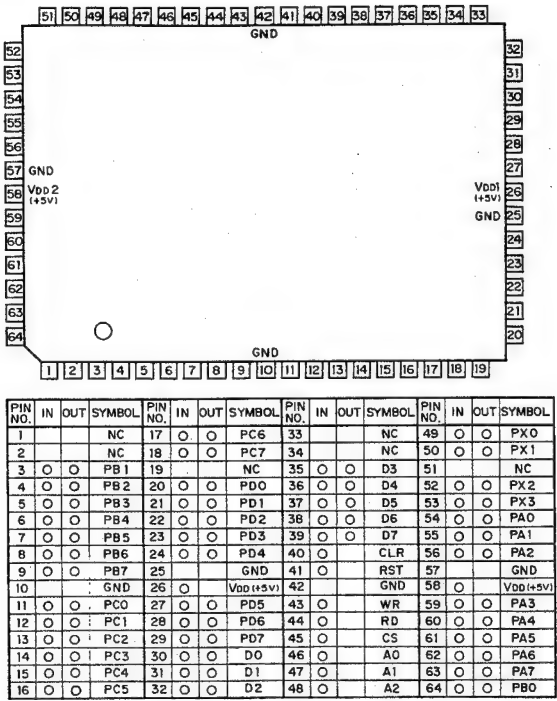


STEP	INPUT SIGNAL VOLTAGE	DATA OUTPUTS							
		D7	D6	D5	D4	D3	D2	D1	D0
0	0V (VRT)	1	1	1	1	1	1	1	1
1	0.01V	1	1	1	1	1	1	1	0
...
127	1.34V	1	0	0	0	0	0	0	0
128	1.35V	0	1	1	1	1	1	1	1
...
255	2.7V (VRB)	0	0	0	0	0	0	0	0

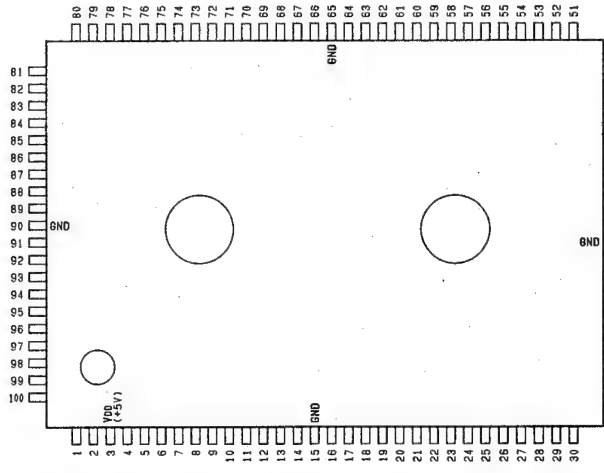
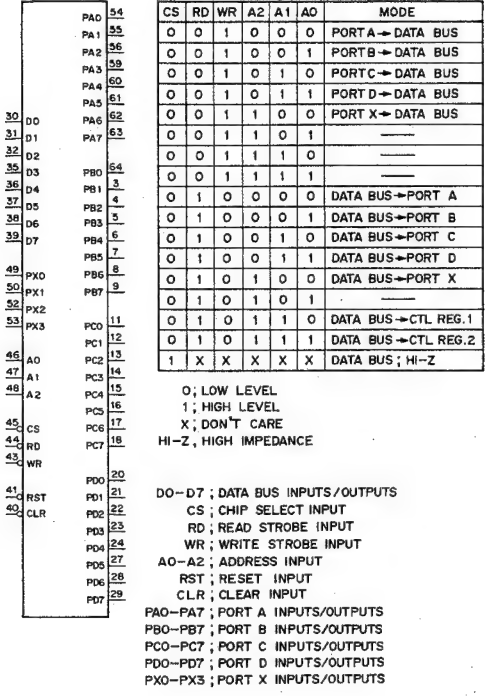
0 : LOW LEVEL
1 : HIGH LEVEL



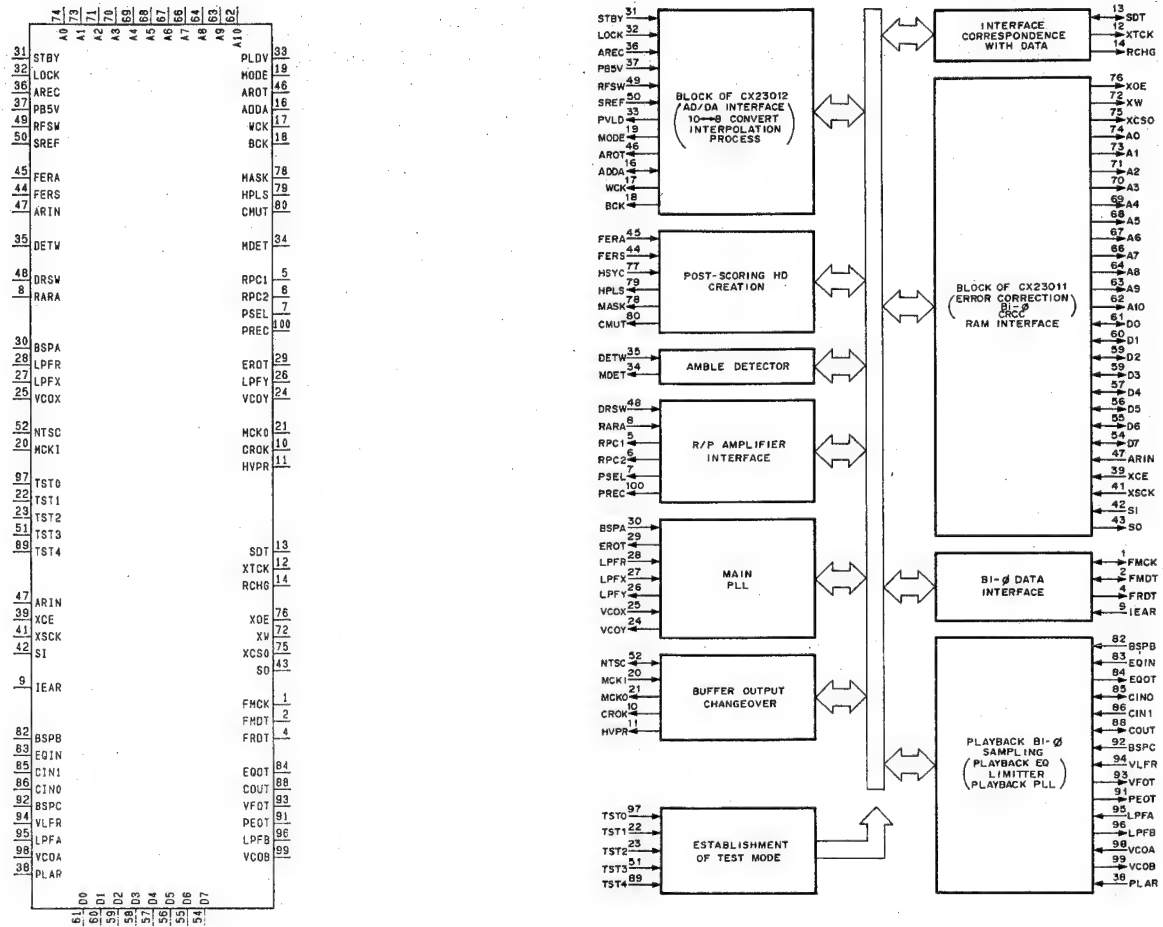
CXD1095Q (SONY) FLAT PACKAGE
C-MOS I/O PORT EXPANDER
- TOP VIEW -



CXD1208Q (SONY)
C-MOS PCM AUDIO SIGNAL PROCESSOR FOR 8mm VIDEO
- TOP VIEW -



No	I/O	SIGNAL	No	I/O	SIGNAL	No	I/O	SIGNAL	No	I/O	SIGNAL
1	I/O	FMCK	26	O	LPFY	51	I	TST3	76	O	XOE
2	I/O	FMOT	27	I	LPFX	52	I	NTSC	77	I	HSYC
3	-	YDD	28	I	LPFR	53	-	VDD	78	O	MASK
4	O	FRDT	29	O	EROT	54	I/O	D7	79	O	HPLS
5	O	RPC1	30	I	BSPA	55	I/O	D6	80	O	CMUT
6	O	RPC2	31	I	STBY	56	I/O	D5	81	I	AVDD
7	O	PSEL	32	I	LOCK	57	I/O	D4	82	I	BSPB
8	I	RARA	33	O	PVLD	58	I/O	D3	83	I	EWIN
9	I	LEAR	34	O	MDET	59	I/O	D2	84	O	EQOT
10	O	CROK	35	I	DETW	60	I/O	D1	85	I	CINI
11	O	HVPR	36	I	AREC	61	I/O	D0	86	I	CINO
12	O	XTCK	37	I	PBSV	62	O	A10	87	I	AVSS
13	I/O	SDT	38	I	PLAR	63	O	A9	88	O	COUT
14	O	RCHG	39	I	XCE	64	O	A8	89	I	TST4
15	-	GND	40	-	GND	65	-	GND	90	-	GND
16	I/O	ADDA	41	I	XSCK	66	O	A7	91	O	PEOT
17	O	VCK	42	I	SI	67	O	A6	92	I	BSPC
18	O	BCK	43	O	SO	68	O	A5	93	O	VFOT
19	O	MODE	44	I	FERS	69	O	A4	94	I	VLFR
20	I	MCKI	45	I	FERA	70	O	A3	95	I	LPFA
21	O	MCKO	46	O	AROT	71	O	A2	96	O	LPFB
22	I	TST1	47	I	ARIN	72	O	XW	97	I	TST0
23	I	TST2	48	I	DRSW	73	O	A1	98	I	VCOA
24	O	VCOY	49	I	RFSW	74	O	A0	99	O	VCOB
25	I	VCOX	50	I	SREF	75	O	XCS0	100	O	PREC



INPUT

AREC : AFTER RECODING SETTING
 ARIN : PCM AREA
 BSPA : LPF OP AMP BIAS FOR MAIN PLL
 BSPB : LINEAR CIRCUIT BIAS
 BSPC : PB PLL LINEAR BIAS
 CINO : PB LIMITER REFERENCE LEVEL
 CINI : PB LIMITER SIGNAL
 DETV : AMBLE DETECTION AREA
 DRSW : RF SWITCHING PULSE FOR CX1202
 EQIN : PB EQUALIZER
 FERA : FERS VIDEO MASK AREA
 FERS : FLYING ERASE AREA
 HSYC : COMPOSITE SYNC
 IEAR : INDEX WRITE/ERASE AREA
 LOCK : CXD1208 ACTIVE INPUT
 LPFA : LPF FOR PB PLL
 LPFR : LPF OP AMP(+) FOR MAIN PLL
 LPFX : LPF FOR MAIN PLL
 MCKI : MAIN CLOCK (736 FH)
 NTSC : NTSC/CCIR SETTING
 PBSV : CXD1208 REC/PB SETTING
 PLAR : PB PLL ACTIVE AREA
 RARA : PCM REC AREA
 RFSW : RF SWITCHING PULSE
 SI : ID REC DATA
 SREF : SERVO REFERENCE (50/60Hz)
 STBY : POWER DOWN/INITIALIZE
 TST0-TST4 : TEST MODE SETTING PIN
 VCOA : PB PLL VCO INPUT SIDE FOR PB PLL
 VCOX : MAIN PLL VCO INPUT SIDE
 VLFR : LPF OP AMP (+) FOR PB PLL
 XCE : ID TRANSFER ENABLE
 XSCK : ID TRANSFER CLOCK

OUTPUT

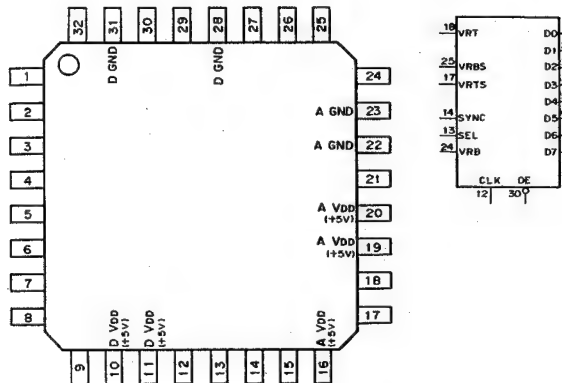
A0-A10 : 64K SRAM ADDRESS BUS
 AROT : PCM AREA
 BCK : ADDA TRANSFER CLOCK
 CMUT : CHROMA MUTE AREA WHEN AFTER RECODING
 CROK : CROCC OK PULSE
 EQOT : PB EQUALIZER
 EROT : MAIN PLL PHASE COMPARATOR
 FRDT : B1-8 REC DATA
 HPLS : HD WHEN AFTER RECODING
 HVPR : MAIN PLL DIVISION
 LPFY : LPF FOR PB PLL
 LPFB : LPF FOR MAIN PLL
 MASK : Y MASK AREA WHEN AFTER RECODING
 MCKO : MAIN PLL
 MDCT : AMBLE DETECTION (8 B)
 MODE : PCM SYSTEM REC/PB MODE
 PCHG : RAM AREA SELECT SIGNAL
 PEOT : PB PLL PHASE COMPARATOR
 PREC : PCM REC AREA FOR CX20034
 PSEL : CXA1202 INPUT SELECT SIGNAL
 PVLD : PCM DETECTION (PB)
 RPC1 : CXA1202 1CH REC/PB CONTROL
 RPC2 : CXA1202 2CH REC/PB CONTROL
 SD : PB ID DATA
 VCOB : VCO FOR PB PLL
 VCOY : MAIN PLL VCO OUTPUT SIDE
 VFOT : VOLTAGE FOLLOWER FOR PB PLL
 VCK : ADD/DAC L/R SELECT SIGNAL
 XCSO : 64K SRAM ADDRESS BUS
 XOE : 64K SRAM OUTPUT ENABLE
 XTCK : SDT TRANSFER CLOCK
 XW : 64K SRAM WRITE ENABLE

INPUT/OUTPUT

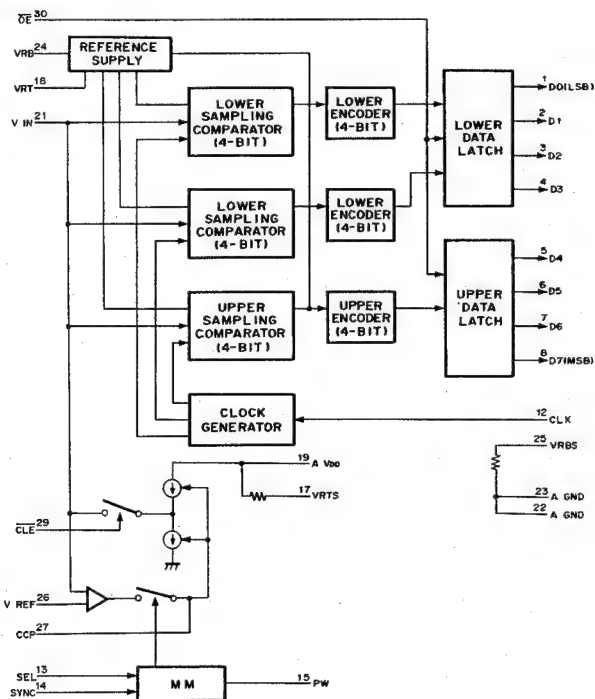
ADDA : ADC/DAC DATA
 D0-D10 : 64K SRAM DATA BUS
 FMCK : B1-8 DATA TRANSFER CLOCK
 FMOT : B1-8 DATA
 SDT : 8-BIT DATA

CXD1176Q (SONY)

C-MOS 8-BIT 20MSPS VIDEO A/D CONVERTER WITH CLAMP FUNCTION
- TOP VIEW -

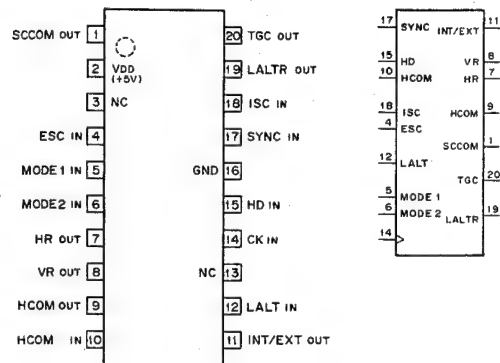


No.	I/O	SIGNAL	No.	I/O	SIGNAL	No.	I/O	SIGNAL	No.	I/O	SIGNAL
1	0	D0(LSB)	9	-	N.C.	17	0	VRTS	25	0	VRBS
2	0	D1	10	-	D VDD	18	0	VRT	26	1	VREF
3	0	D2	11	-	D VDD	19	-	A VDD	27	1/0	CCP
4	0	D3	12	1	CLK	20	-	A VDD	28	-	D GND
5	0	D4	13	1	SEL	21	1	V IN	29	1	CLE
6	0	D5	14	1	SYNC	22	-	A GND	30	0	OE
7	0	D6	15	1/0	PW	23	-	A GND	31	-	D GND
8	0	D7(MSB)	16	-	A VDD	24	0	VRB	32	-	N.C.



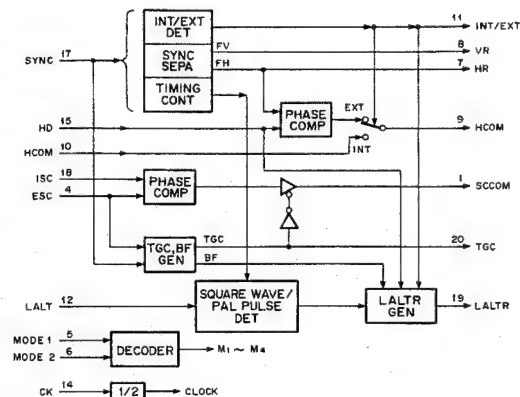
CXD1216M (SONY) FLAT PACKAGE

C-MOS GENLOCK DRIVER
- TOP VIEW -



INPUT	MODE	SYSTEM
MODE1 MODE2	M1	PAL-VBS
0 0	M2	PALM-VBS
0 1	M3	PAL,SECAM-VS/SC/LALT
1 1	M4	NTSC-VBS,NTSC-VS/SC PALM-VS/SC/LALT

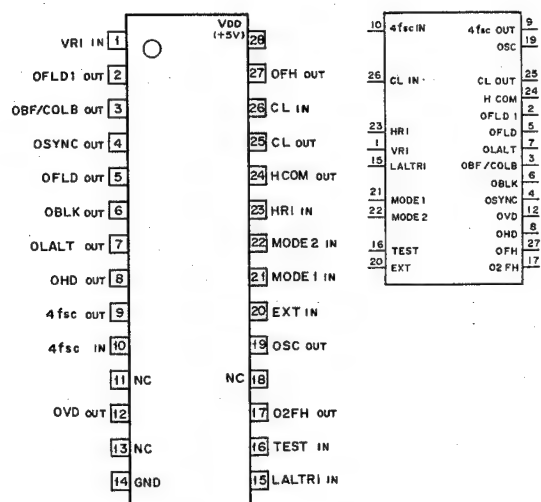
0: LOW LEVEL
1: HIGH LEVEL



INPUT
CK : 4fsc CLOCK INPUT
ESC : SC/COLOR BURST
HCOM : PHASE COMPARE FROM CXD1217
HD : H DRIVE FROM CXD1217
ISC : SUBCARRIER FROM CXD1217
LALT : LALT FROM REFERENCE SIGNAL GENERATOR
MODE1,2 : SYSTEM SELECT
SYNC : SYNC FROM REFERENCE SIGNAL GENERATOR

OUTPUT
HCOM : PHASE COMPARE HR WITH HD
HR : 1st OF SYNC SEPARATE
INT/EXT : INTERNAL/EXTERNAL SPECIFIED
LALTR : LINE CHANGE RESET
SCCOM : PHASE COMPARE ESC WITH ISC
TGC : TRISTATE CONTROL
VR : 1st OF SYNC SEPARATE

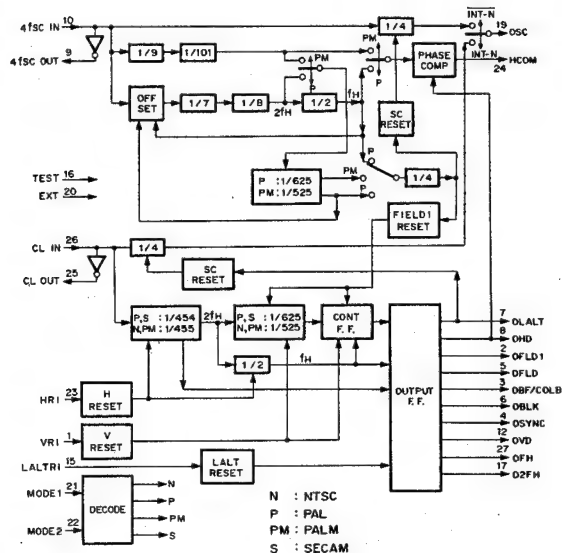
CXD1217M (SONY) FLAT PACKAGE
C-MOS SYNC GENERATOR
- TOP VIEW -



SYSTEM	$4f_{sc}$	CLOCK
NTSC	$910f_H$	$910f_H$
PAL	$1135f_H + 2f_V$	$908f_H$
PALM	$909f_H$	$910f_H$
SECAM	—	$908f_H$

INPUT		SYSTEM
MODE1	MODE2	
0	0	NTSC
0	1	SECAM
1	0	PALM
1	1	PAL

0 : LOW LEVEL
1 : HIGH LEVEL



```

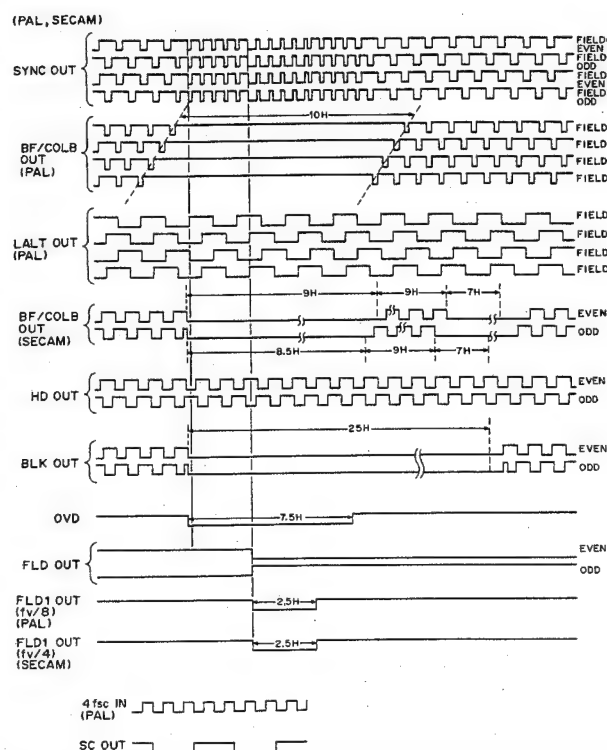
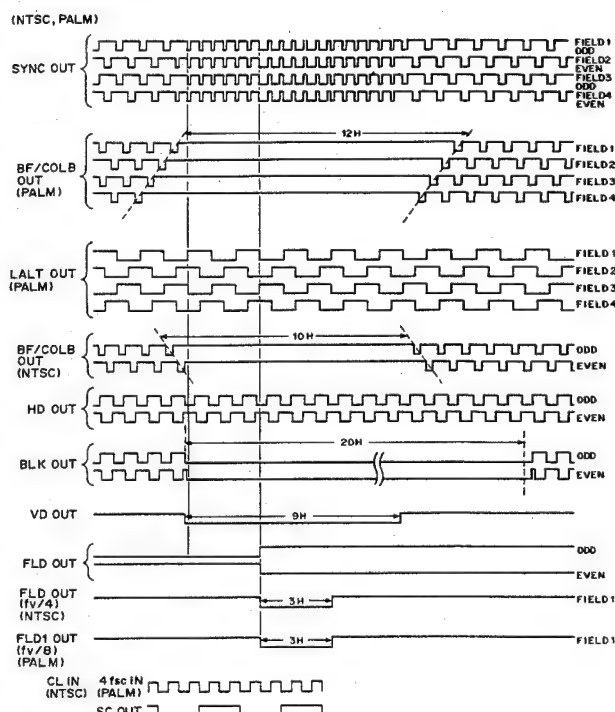
INPUT
4fSC IN  : 4fSC INPUT
CL IN    : CLOCK INPUT
EXT      : SYNC MODE SELECT
          (L : INTERNAL/H : EXTERNAL)
HRI      : H RESET
LALTRI   : LINE CHANGE RESET
MODE 1,2 : SYSTEM SELECT
VRI      : V RESET

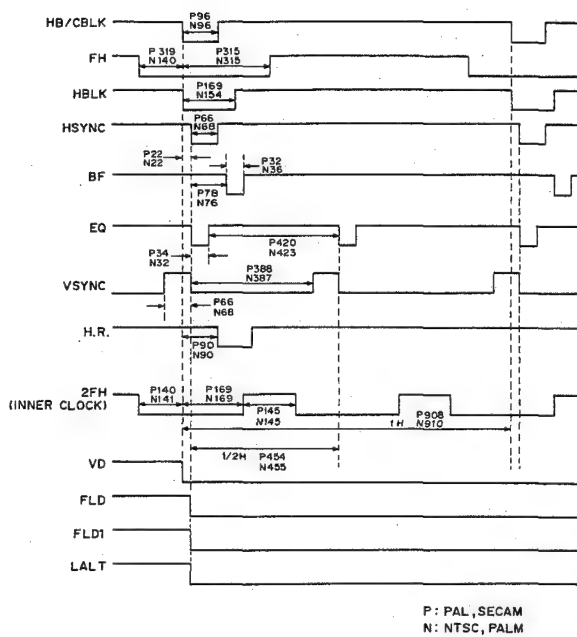
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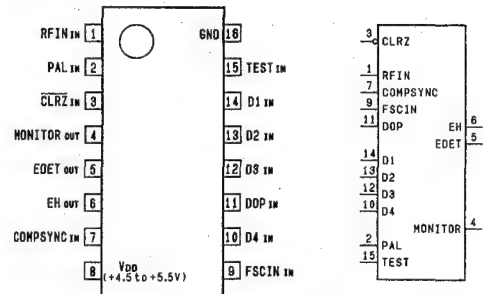
OUT PUT :
4FSC OUT : 4FSC OUTPUT
CL OUT : CLOCK OUTPUT
HCOM : PHASE COMPARATOR
O2H : 2H OUTPUT
OB*/COLB: BURST FLAG/COLOR BLANKING
OBLK : COMPOSITE BLANKING
OFH : H FREQUENCY
OFLD : EVEN, ODD
OFLD1 : FIELD1
OHD : H DRIVE
OALT : LINE CHANGE
OSC : SUBCARRIER
OSYNC : COMPOSITE SYNC
OVD : V DRIVE

```





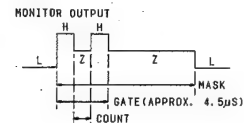
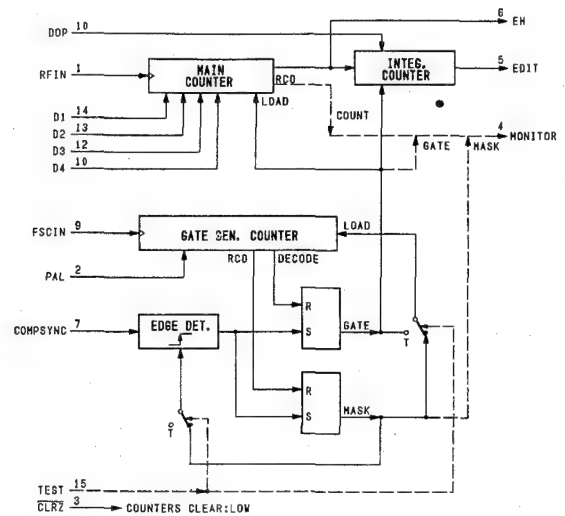
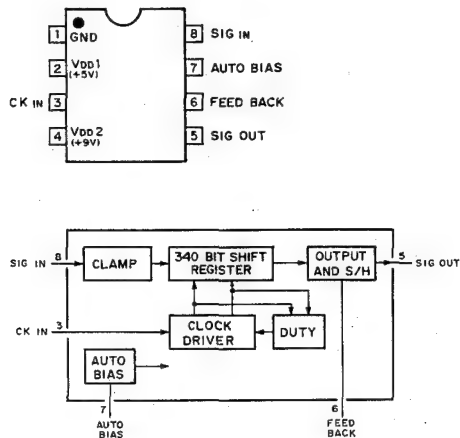
CXD2107M (SONY) FLAT PACKAGE
C-MOS DEFINITION DETECTOR
- TOP VIEW -



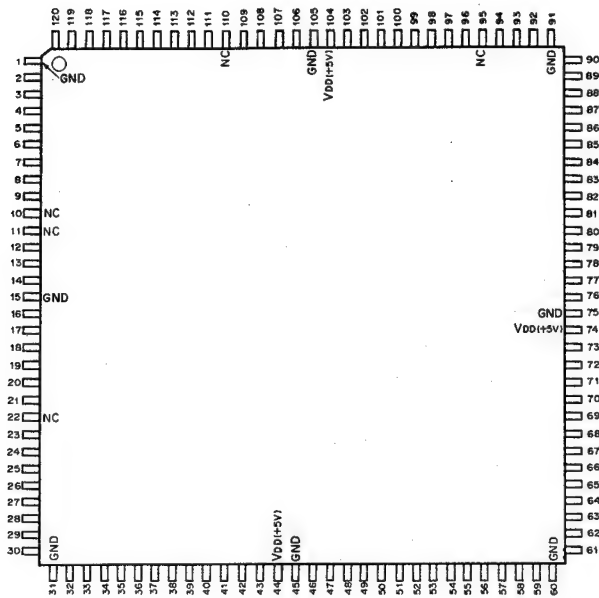
INPUT
CLRZ : CLEAR SIGNAL INPUT FOR INTERNAL COUNTERS
COMPSYNC: COMPOSITE SYNC INPUT
D1-D4 : LOAD DATA INPUTS FOR MAIN COUNTER (D0=HIGH, FIXED DATA)
DOP : DROPOUT COMPENSATION PULSE INPUT
FSCIN : COLOR SUBCARRIER INPUT, NTSC=3.579545MHz, PAL=4.433619MHz
PAL : OPERATION MODE SELECT INPUT, HIGH=PAL, LOW=NTSC
RFIN : PLAYBACK Y RF SIGNAL INPUT
TEST : TEST CONTROL INPUT, NORMAL=LOW

OUTPUT
EDET : E* MODE DETECTION OUTPUT, CONTINUOUS 16H
EH : E* MODE DETECTION OUTPUT, DISTINGUISH IN 1H
MONITOR : MONITOR OUTPUT OF COUNT, GATE, AND MASK PULSES
NOTE : E* : EXTENDED DEFINITION

CXL5502M (SONY) FLAT PACKAGE
C-MOS CCD1H DELAY LINE (NTSC)
- TOP VIEW -



CXD1226Q (SONY) FLAT PACKAGE

C-MOS DIGITAL CHROMA DECODER/Y, C FIELD NOISE REDUCER
- TOP VIEW -

PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL
1	-	GND	31	-	GND	61	-	GND	91	-	GND
2	I	CSR0	32	I	CMCK	62	O	MPL	92	I	YMCK
3	I	CSR1	33	I	DOP	63	O	LIMO	93	I	PINW
4	I	CSR2	34	I	USC0	64	I	SW1	94	I	NRFD
5	I	CSR3	35	I	JPI0	65	I	MTST	95	-	NC
6	O	CMW0	36	I	JPH	66	O	FSC	96	I	AHD
7	O	CMW1	37	I	YSYS	67	I	INFS	97	I	CHD
8	O	CMW2	38	I	PHEN	68	I	MPXT	98	I	YHD
9	O	CMW3	39	I	PD	69	I	MMTC	99	I	WEVN
10	-	NC	40	O	PED0	70	I	EXFS	100	I	OFSB
11	-	NC	41	O	PED1	71	I	CS0	101	I	SADM
12	I	YSR0	42	O	PED2	72	I	CS1	102	I	CLR
13	I	YSR1	43	O	PED3	73	I	WY7	103	O	CMPT
14	-	VDD(+5V)	44	-	VDD(+5V)	74	-	VDD(+5V)	104	-	VDD(+5V)
15	-	GND	45	-	GND	75	-	GND	105	-	GND
16	I	YSR2	46	O	COCK	76	I	WY6	106	O	RBT
17	I	YSR3	47	O	VCOO	77	I	WY5	107	O	ACK
18	O	YMW0	48	I	VCOI	78	I	WY4	108	I	YDLY
19	O	YMW1	49	O	OUT0	79	I	WY3	109	I	CTH
20	O	YMW2	50	I	IM0	80	I	WY2	110	-	NC
21	O	YMW3	51	O	OUT1	81	I	WY1	111	I	FNR
22	-	NC	52	I	IM1	82	I	WY0	112	I	WVMT
23	I	YSR4	53	-	AG	83	I	WCY7	113	I	WCOT
24	I	YSR5	54	O	OUT2	84	I	WCY6	114	I	WUV0
25	I	YSR6	55	I	IM2	85	I	WCY5	115	I	WUV1
26	I	YSR7	56	I	LIMI	86	I	WCY4	116	I	YEV0
27	O	YMW4	57	O	BPE0	87	I	WCY3	117	I	YEV1
28	O	YMW5	58	O	BPE1	88	I	WCY2	118	I	YEV2
29	O	YMW6	59	O	BPE2	89	I	WCY1	119	I	CEV0
30	O	YMW7	60	O	BPE3	90	I	WCY0	120	I	CEV1

* 1 CHROMA SYSTEM MODE SELECTION

CS1	CS0	MODE
0	0	NTSC
0	1	PAL
1	0	CHROMA BASE BAND INPUT
1	1	PROHIBITION

* 2 Y SIGNAL NOISE REDUCER SELECTION

YEV0	YEV1	YEV2	OPERATION
0	0	0	NOISE REDUCER (SOFT)
0	0	1	NOISE REDUCER (MIDDLE)
0	1	0	NOISE REDUCER (STRONG)
0	1	1	AFTER IMAGE
1	0	0	VERTICAL FILTER
1	0	1	FADE IN/OUT
1	1	0	SELECT AFTER IMAGE
1	1	1	NO OPERATION

* 3 CHROMA SIGNAL NOISE REDUCER SELECTION

CEV0	CEV1	OPERATION
0	0	NOISE REDUCER (SOFT)
0	1	NOISE REDUCER (MIDDLE)
1	0	NOISE REDUCER (STRONG)
1	1	NO OPERATION

0 : LOW LEVEL
1 : HIGH LEVEL

INPUT

AG : ANALOG GND

AHD : H SYNC INPUT FOR APC

* 3 CEV0, 1 : C NOISE REDUCER MODE SELECT INPUTS

CHD : H SYNC INPUT FOR BURST DETECT

CLR : DIRECT CLEAR INPUT

CMCK : CLOCK INPUT FOR CHROMA SYSTEM

* 1 CSR0 - CSR3 : CHROMA READ DATA INPUTS

CS0, 1 : CHROMA SYSTEM SELECT INPUTS

CTH : CHROMA TEST TERMINAL

DOP : DROPOUT COMPENSATION PULSE INPUT

EXFS : EXTERNAL FSC INPUT

FNR : NOISE REDUCER ON/OFF CONTROL INPUT

IM0 - IM2 : AUDIO RANGE AMP INPUTS

INFS : INTERNAL FSC INPUT

JPI0, 1 : ID CODE MONITOR INPUTS (D2, D3)

LIMI : WINDOW COMPARATOR INPUT

MMTC, MPXT, MTST, PD : TEST PIN

NRFD : Y FIELD NOISE REDUCER DATA INPUT

OFSB : OFF SET BINARY MODE INPUT

PHEN : CHROMA APC SYSTEM CONTROL INPUT

PINW : PEDESTAL CLAMP ERROR INVERT INPUT

SADM : Y/C SIGNAL H; COMPOSITE SIGNAL SELECT INPUT

SW1 : AUDIO RANGE SWITCH INPUT

USC0 : USER CODE FOR OPTION

VCOI : VCO INPUT

WCOT : WRITE FRAMING CODE TIMING INPUT

WCY0 - WCY7 : L CHROMA SIGNAL, H: COMPOSITE SIGNAL INPUTS

WEVN : WRITE EVEN/ODD FIELD MONITOR INPUT

WUV0, 1 : WRITE U/V TIMING INPUTS

WVMT : WRITE VIDEO MUTE

WY0 - WY7 : WRITE Y SIGNAL INPUTS

YDLY : Y DELAY ADJUST INPUT

* 2 YEV0 - YEV2 : Y NOISE REDUCER MODE SELECT INPUTS

YHD : Y H DRIVE PULSE INPUT

YMCK : Y MEMORY CONTROL CLOCK INPUT

YSR0 - YSR7 : Y MEMORY DATA INPUTS

YSYS : Y DELAY ADJUST INPUT (H: 3.58MHz C SYSTEM, L: 4.43MHz C SYSTEM)

OUTPUT

ACK : CLOCK OUTPUT FOR APC (H: 8/W MODE, L: COLOR MODE)

BPE0 - BPE3 : PHASE ERROR OUTPUTS FOR APC (OFFSET BINARY OUTPUTS)

CMPT : MONITOR TERMINAL FOR TEST

CMW0 - CMW3 : CHROMA WRITE DATA OUTPUTS

COCK : VCO OUT CLOCK OUTPUT

FSC : 1/4 CLOCK OUTPUT

LIMO : WINDOW COMPARATOR OUTPUT

MPL : PHASE COMPARATOR ERROR OUTPUT

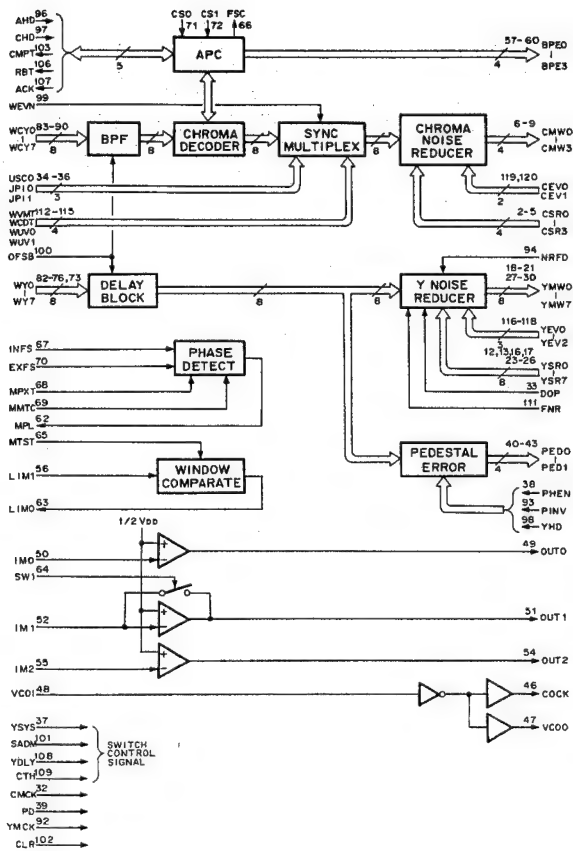
OUT0 - OUT2 : AUDIO RANGE AMP OUTPUTS

PED0 - PED3 : PEDESTAL CLAMP ERROR OUTPUTS

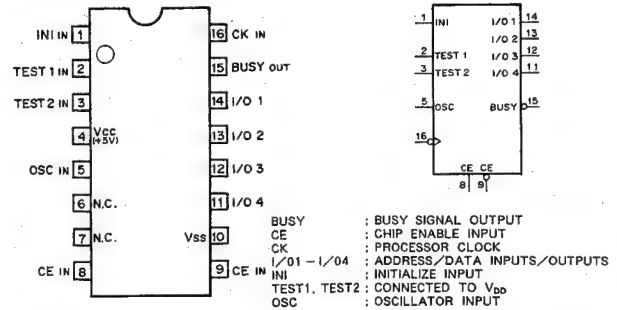
RBT : MONITOR PIN FOR TEST

VCOO : VCO OUTPUT

YMW0 - YMW7 : Y MEMORY DATA OUTPUTS

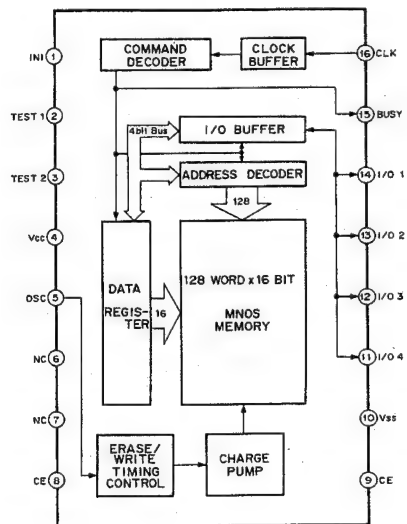


CXK1009P (SONY)
MNOS 2048BIT (128x16) EPROM
- TOP VIEW -

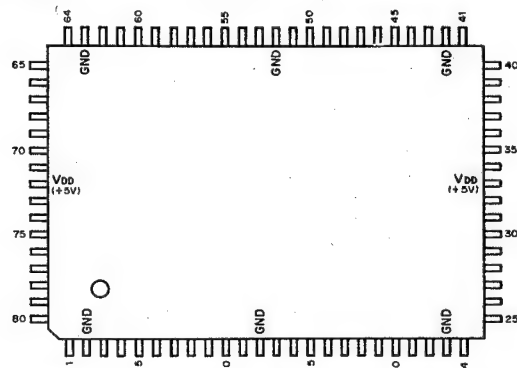


INPUT					FUNCTION
CE	I/O1	I/O2	I/O3	I/O4	
0	0	0	1	0	READ
0	1	0	1	0	WRITE
0	X	X	0	0	NO OPERATION
0	X	X	0	1	NO OPERATION
0	X	X	1	1	NO OPERATION
1	X	X	X	X	NO OPERATION

0 : LOW LEVEL
1 : HIGH LEVEL
X : DON'T CARE



CXD1227Q (SONY)

C-MOS DIGITAL CHROMA ENCODER/VERTICAL ENHANCER
- TOP VIEW -

PIN ASSIGNMENT

(V_{DD} = +5V)

PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL
1	O	TST0	21	I	CMR3	41	I	HPR2	61	I	CKKI
2	-	GND	22	I	CMR2	42	-	GND	62	O	CKKO
3	O	TST1	23	-	GND	43	O	DOC	63	-	GND
4	O	RC0	24	I	CMR1	44	I	HPR1	64	O	XOUT
5	O	RC1	25	I	CMR0	45	I	HPR0	65	I	XIN
6	O	RC2	26	O	FRM0	46	I	HBD3	66	O	USCO
7	O	RC3	27	O	FRM1	47	I	HBD2	67	I	CLRI
8	O	RC4	28	O	JPI0	48	I	HBD1	68	O	PCOM
9	O	RC5	29	O	JPI1	49	I	HBD0	69	I	CTLZ
10	O	RC6	30	O	RFSC	50	I	BNS1	70	I	FSIG
11	O	RC7	31	I	CS0	51	I	BNS0	71	I	FREF
12	-	GND	32	I	CS1	52	-	GND	72	O	RY0
13	I	YMR7	33	-	V _{DD}	53	I	YCKI	73	-	V _{DD}
14	I	YMR6	34	I	SDAM	54	I	RVMT	74	O	RY1
15	I	YMR5	35	I	PALP	55	I	BDR	75	O	RY2
16	I	YMR4	36	I	OFSB	56	I	YCFR	76	O	RY3
17	I	YMR3	37	I	BDL7	57	I	RCDT	77	O	RY4
18	I	YMR2	38	I	BDL6	58	I	RVU1	78	O	RY5
19	I	YMR1	39	I	RSYC	59	I	RVU0	79	O	RY6
20	I	YMR0	40	I	YTIM	60	O	REVN	80	O	RY7

20	YMR0	RY0	72	INPUT	BDR	: BORDER TIMING INPUT
19	YMR1	RY1	74	*1 BDL6, 7	: Y BORDER LEVEL SELECT INPUTS	
18	YMR2	RY2	75	*2 BNS0, 1	: SOLORIZATION RESOLUTION SELECT	
17	YMR3	RY3	76	CKKI	: CHROMA CLOCK INPUT (4fsc)	
16	YMR4	RY4	77	CLRI	: CLEAR INPUT	
15	YMR5	RY5	78	CMR0 - 3	: CHROMA DATA INPUTS	
14	YMR6	RY6	79	*3 CS0, 1	: CHROMA SYSTEM SELECT INPUTS	
13	YMR7	RY7	80	CTLZ	: PHASE COMPARTOR OUT CONTROL INPUT	
				FREF	: PHASE COMPARTOR REFERENCE SIGNAL INPUT	
				FSIG	: PHASE COMPARTOR SIGNAL INPUT	
45	HPR0			*4 HBD0, 1	: U-AXIS BORDER LEVEL INPUTS	
44	HPR1			*5 HBD2, 3	: V-AXIS BORDER LEVEL INPUTS	
43	HPR2			*6 HPR0 - 2	: H PROCESS INPUTS	
51	BNS0			OFSB	: OFF SET BINARY MODE INPUT	
50	BNS1			PALP	: PAL PHASE CONTROL INPUT	
38	BDL6			RCDT	: READ FRAMING CODE TIMING INPUT	
37	BDL7			RSYC	: READ SYNC INPUT	
40	YTIM			RVU0 - 1	: READ U/V TIMING INPUTS	
55	BDR			RVMT	: READ VIDEO MUTE INPUT	
39	RSYC			SDAM	: D/A MODE SELECT INPUT	
54	RVMT			XIN	: CHROMA CLOCK INPUT FOR OSCILLATOR	
53	YCKI			YCKI	: Y CLOCK INPUT (810fs)	
				YCFR	: Y/C FRAMING ON/OFF SELECT INPUT	
				YMR0 - 7	: Y DATA INPUTS	
				YTIM	: Y TIMING CONTROL INPUT	
25	CMR0	RC0	4	OUTPUT	CKKO	: CHROMA CLOCK OSCILLATOR OUTPUT (4fsc)
24	CMR1	RC1	5		DOC	: DROP OUT CONTROL MONITOR OUTPUT
23	CMR2	RC2	6		FRM0, 1	: CHROMA FRAMING CODE OUTPUTS
21	CMR3	RC3	7		JPI0, 1	: ID CODE MONITOR OUTPUTS (D2, D3)
49	HBD0	RC4	8		PCOM	: PHASE COMPARTOR OUTPUT
48	HBD1	RC5	9		RC0 - 7	: READ CHROMA D/A OUTPUTS
47	HBD2	RC6	10		REVN	: READ EVEN/ODD FIELD MONITOR OUTPUT
46	HBD3	RC7	11		RFSC	: READ fsc OUTPUT
59	RVU0				RY0 - 7	: READ Y D/A OUTPUTS
58	RVU1				TST0, 1	: TEST TERMINALS
31	CS0				USCO	: USER CODE FOR OPTION
32	CS1				XOUT	: CHROMA CLOCK OUTPUT FOR OSCILLATOR
34	SDAM					
35	PALP					
61	CKKI					
		FRM0	26			
		FRM1	27			
56	YCFR	JPI0	28			
57	RCDT	JPI1	29			
		RVV0	30			
		USCO	31			
		RFSC	32			
69	CTLZ					
70	FSIG	XOUT	64			
71	FREF	XIN	65			
68	PCOM	CKKO	62			

TABLE 1
*1 BORDER LEVEL

BDL7/BDL6	LEVEL
0 0	8H (-50IRE)
0 1	48H (-100IRE)
1 0	C8H (CLAMP LEVEL)
1 1	C8H (0IRE)

TABLE 2
*2 SOLORIZATION RESOLUTION

INPUTS	OUTPUTS
BNS0/BNS1	RY0 RY1 RY2 RY3 RY4
0 0	0 0 1 X X
0 1	0 0 0 1 X
1 0	0 0 0 0 1
1 1	X X X X X

TABLE 3
*3 CHROMA SYSTEM MODE SELECTION

CS1 CS0	MODE
0 0	NTSC
0 1	PAL
1 0	CHROMA BASE BAND OUT
1 1	(PAL)

TABLE 4
*4 U-AXIS BORDER LEVEL

HBD1/HBD0	LEVEL
0 0	20 IRE
0 1	-20 IRE
1 0	-30 IRE
1 1	0 IRE

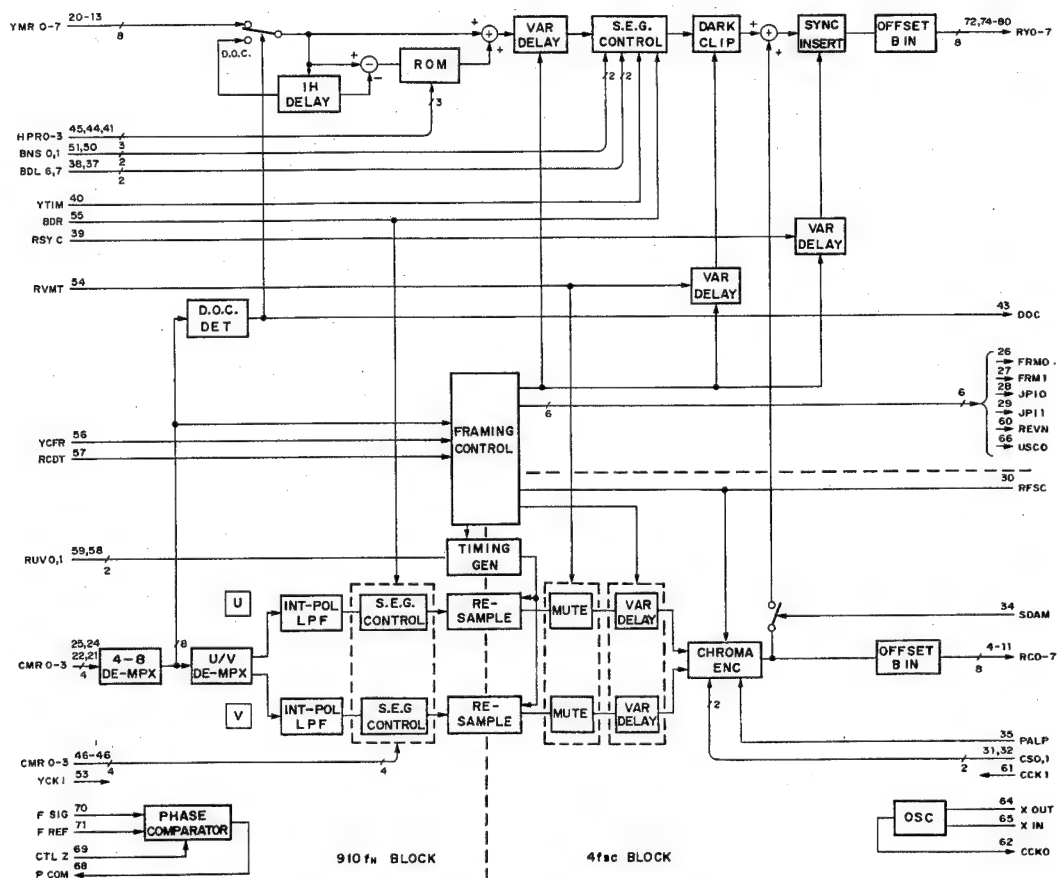
TABLE 5
*5 V-AXIS BORDER LEVEL

HBD3/HBD2	LEVEL
0 0	20 IRE
0 1	-20 IRE
1 0	-30 IRE
1 1	0 IRE

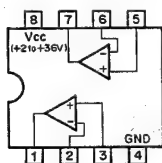
TABLE 6
*6 H PROCESS MODE SELECTION

HPR2/HPR1/HPR0	OPERATION
0 0 0	V-ENHANCE (SOFT)
0 0 1	V-ENHANCE (SOFT)
0 1 0	V-ENHANCE (MIDDLE)
0 1 1	V-ENHANCE (STRONG)
1 0 0	MIX RATIO H _r :H _p =1:1
1 0 1	MIX RATIO H _r :H _p =1:3
1 1 0	MIX RATIO H _r :H _p =3:1
1 1 1	NO PLAY

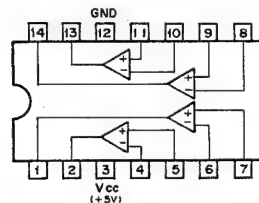
0: LOW LEVEL
1: HIGH LEVEL
H_r = THROUGH
H_p = 1H DELAY



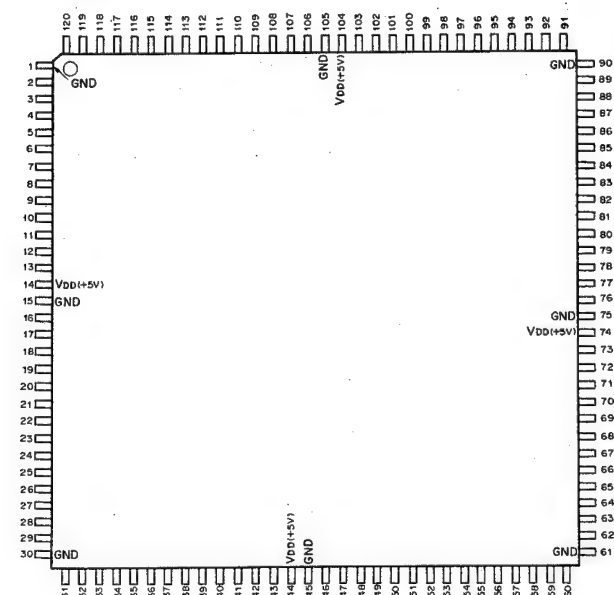
LM2903PS (TI) FLAT PACKAGE
UPC393G2 (NEC) FLAT PACKAGE
DUAL VOLTAGE COMPARATORS
- TOP VIEW -



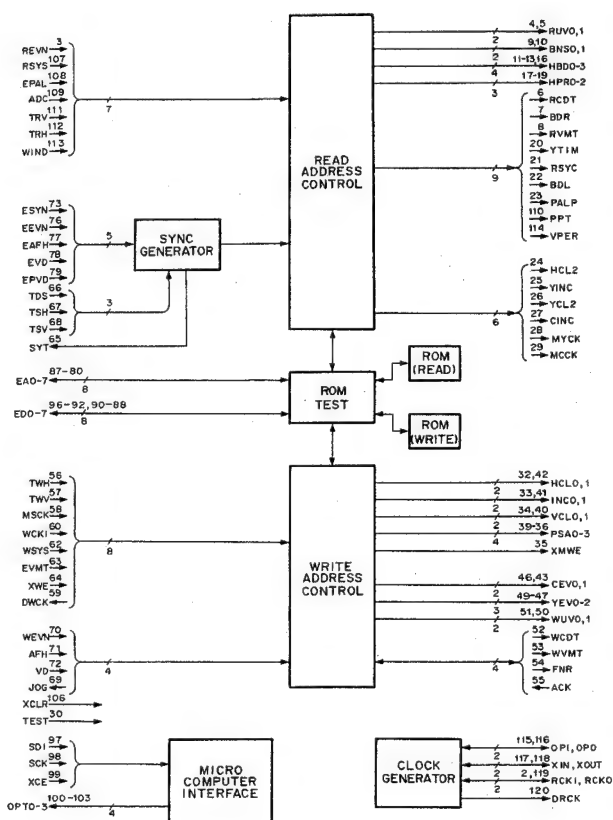
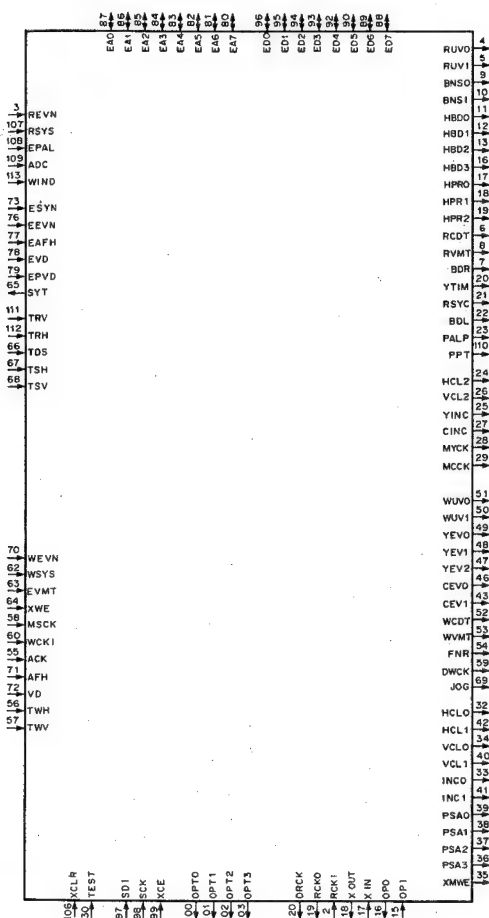
LM339D (TI) FLAT PACKAGE
UPC339C (NEC)
QUAD COMPARATORS
- TOP VIEW -



- TOP VIEW -

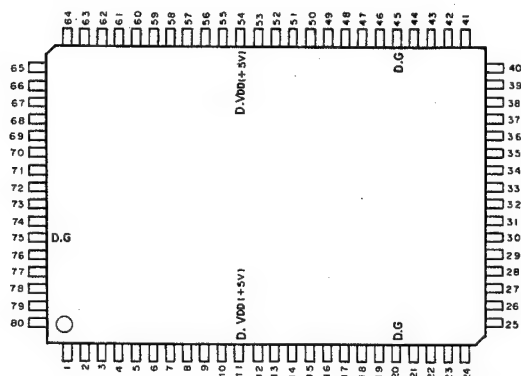


PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL
1	—	GND	31	—	GND	61	—	GND	91	—	GND
2	I	RCK1	32	O	HCL0	62	I	WSYS	92	I/O	ED4
3	I	REVN	33	O	INC0	63	I	EVMT	93	I/O	ED3
4	O	RLV0	34	O	VCL0	64	I	XWE	94	I/O	ED2
5	O	RLV1	35	O	XMWE	65	O	SYT	95	I/O	ED1
6	O	RCDT	36	O	PSA3	66	I	TDS	96	I/O	ED0
7	O	BDR	37	O	PSA2	67	I	TSH	97	I	SD1
8	O	RVMT	38	O	PSA1	68	I	TSV	98	I	SDK
9	O	BNS0	39	O	PSA0	69	O	JOG	99	I	XCE
10	O	BNS1	40	O	VCL1	70	I	WEVN	100	O	OPT0
11	O	HBDO	41	O	INC1	71	I	AFH	101	O	OPT1
12	O	HB01	42	O	HCL1	72	I	VD	102	O	OPT2
13	O	HB02	43	O	CEV1	73	I	ESYN	103	O	OPT3
14	—	Vcc (+5V)	44	—	Vcc (+5V)	74	—	Vcc (+5V)	104	—	Vcc (+5V)
15	—	GND	45	—	GND	75	—	GND	105	—	GND
16	O	HB03	46	O	CEV0	76	I	EEVN	106	I	XCLR
17	O	HPR0	47	O	YEY2	77	I	EAFH	107	I	RSYS
18	O	HPR1	48	O	YEY1	78	I	EVD	108	I	EPAL
19	O	HPR2	49	O	YEY0	79	I	EPVD	109	I	ADC
20	O	YTIM	50	O	WUW1	80	I/O	EA7	110	O	PPT
21	O	RSYC	51	O	WUW0	81	I/O	EA6	111	I	TRV
22	O	BDL	52	O	WCOT	82	I/O	EA5	112	I	TRH
23	O	PALP	53	O	WVMT	83	I/O	EA4	113	I	WIND
24	O	HCL2	54	O	FNR	84	I/O	EA3	114	O	VPER
25	O	YINC	55	I	ACK	85	I/O	EA2	115	I	OPI
26	O	VCL2	56	I	TWH	86	I/O	EA1	116	O	OPO
27	O	CINC	57	I	TWY	87	I/O	EA0	117	I	XIN
28	O	MYCK	58	I	MSCK	88	I/O	ED7	118	O	XOUT
29	O	MCKC	59	O	DWCK	89	I/O	ED6	119	O	RCKO
30	I	TST	60	I	WCKI	90	I/O	ED5	120	O	DRCK



H_T = THROUGH
H_B = 1H DELAY

CXD2105AQ (SONY) FLAT PACKAGE
CMOS DIGITAL COMB FILTER FOR VTR'S
- TOP VIEW -



PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	I	BPV	21	I	IGD0	41	I	IGW2	61	I	IGY1
2	O	OPER	22	I	IGC1	42	I	IGW3	62	I	IGY2
3	-	A.VDD P	23	I	IGH	43	I	IGW4	63	I	IGH1
4	I	IGPE	24	I	IGRP	44	I	IGW5	64	O	ORZH
5	I	IGPC	25	I	IGOC	45	-	D.G	65	O	OR00
6	-	A.G P	26	-	A.VDD C	46	I/O	BMV1	66	I	IGRC
7	I	IGZV	27	O	OCIO	47	I/O	BMV2	67	I	ICYB
8	O	OZVD	28	O	OCVG	48	I/O	BMV3	68	I	ICY7
9	O	OZPS	29	-	ICVR	49	I/O	BMV4	69	I	ICY6
10	I	IGZP	30	O	OCIR	50	I/O	BMV5	70	I	ICY5
11	-	D.VDD	31	-	A.G C	51	I/O	BMV6	71	I	ICY4
12	I/O	BMC1	32	O	OCVB	52	I/O	BMV7	72	I	ICY3
13	I/O	BMC2	33	O	OYVB	53	I/O	BMV8	73	I	ICY2
14	I/O	BMC3	34	-	A.G Y	54	-	D.VDD	74	I	ICY1
15	I/O	BMC4	35	O	OYIR	55	I	IGAC	75	-	D.G
16	I/O	BMC5	36	-	IYVR	56	I	IGL3	76	O	OADC
17	I/O	BMC6	37	O	OYVG	57	I	IGL2	77	I	IGNP
18	I/O	BMC7	38	O	OYIO	58	I	IGL1	78	I	IGBE
19	I/O	BMC8	39	-	A.VDD Y	59	I/O	BASO	79	I	IGPF
20	-	D.G	40	I	IGW1	60	I	IGC2	80	I	IGCK

INPUT

- BPV : EXT/INT CLOCK SELECT
- ICVR : ESTABLISHES MAXIMUM AMPLITUDE VALUE FOR OCIO (PIN 27)
- IGAC : V CORRELATION CIRCUIT ON/OFF
- IGBE : SINGLE WAVE DETECTION ON/OFF (Y/C SEPARATION MODE)
- IGC1 : V CORRELATION CIRCUIT SELECT
- IGC2 : CHROMA FLAT SECTION HORIZONTAL FILTER SELECT (Y/C SEPARATION MODE)
- IGCK : EXTERNAL CLOCK
- IGD0 : DROPOUT CORRECTION
- IGH1 : FLAT SECTION HORIZONTAL FILTER SELECT (Y/C SEPARATION MODE)
- IGH : SLEW MODE SET
- IGL1 - IGL3 : LIMITER LEVEL ADJUST FOR Y SIGNAL COMB FILTER
- IGNP : NTSC/PAL FORMAT SELECT
- IGOC : OUTPUT ENABLE
- IGPC : VCO CONTROL
- IGPE : TEST
- IGPF : PLL SUBCARRIER
- IGRC : DELAY LINE LENGTH ADJUST
- IGRP : Y/C SEPARATION AND PLAYBACK MODE SELECT
- IGW1 - IGW5 : Y COMB FILTER DEPTH ADJUST
- IGY1, IGY2 : EDGE SECTION HORIZONTAL FILTER SELECT (Y/C SEPARATION MODE)
- IGZP : 1-BIT DELAY CIRCUIT
- IGZV : VCR HEAD SWITCHING
- ICY1 - IYC8 : VIDEO SIGNAL
- IYVR : ESTABLISHES MAXIMUM AMPLITUDE VALUE FOR OYIO (PIN 38)

OUTPUT

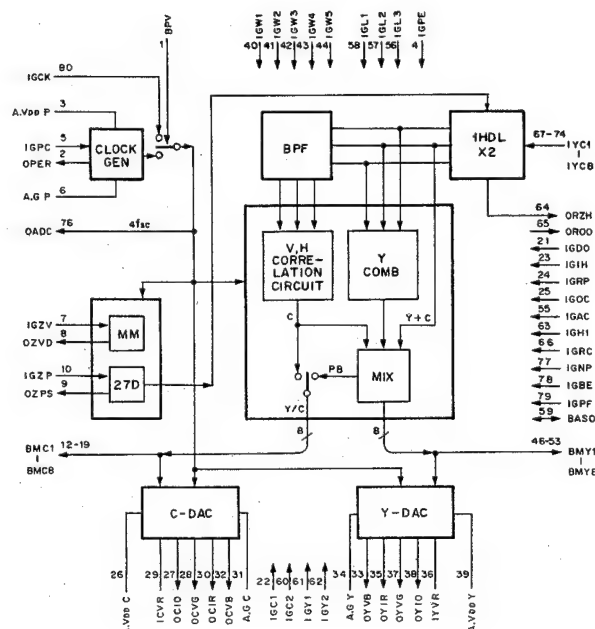
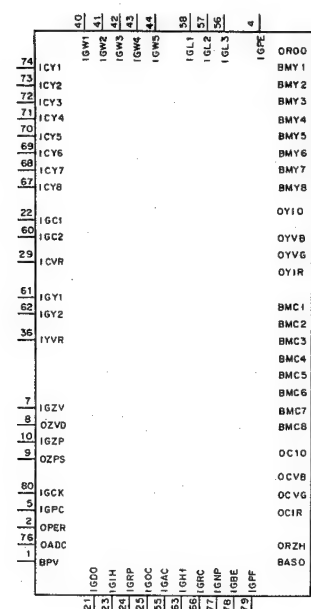
- OADC : CLOCK
- OCIO : CHROMA ANALOG SIGNAL
- OCIR : CONNECT A RESISTOR 16x LARGER THAN THE RESISTOR AT OCIO (PIN 27)
- OCVB : CONNECT TO DIGITAL GND WHICH HAS A CAPACITANCE OF UP TO 0.1 μ F
- OCVG : CONNECT TO AN ANALOG POWER SUPPLY WHICH HAS A CAPACITANCE OF UP TO 0.1 μ F
- OPER : PLL ERROR
- OR00 : "0" IS DETECTED AT ALL INPUTS
- ORZH : 1-BIT DELAY CIRCUIT
- OYIO : Y ANALOG SIGNAL
- OYIR : CONNECT A RESISTOR 16x LARGER THAN THE RESISTOR AT OYIO (PIN 38)
- OYVB : CONNECT TO DIGITAL GND WHICH HAS A CAPACITANCE OF UP TO 0.1 μ F
- OYVG : CONNECT TO AN ANALOG POWER SUPPLY WHICH HAS A CAPACITANCE OF UP TO 0.1 μ F
- OZPS : 1-BIT DELAY CIRCUIT
- OZVD : VSYNC PERIOD MASK

INPUT/OUTPUT

- BASO : EDGE DETECTION LEVEL SELECT (Y/C SEPARATION MODE)
- BMC1 - BMC8 : CHROMA DIGITAL SIGNAL
- BMV1 - BMV8 : Y DIGITAL SIGNAL

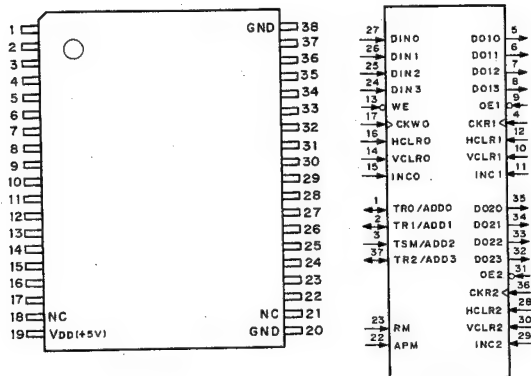
OTHER

- A.G C : ANALOG GND FOR CHROMA D/A
- A.G P : ANALOG GND FOR VCO
- A.G Y : ANALOG GND FOR Y D/A
- A.VDD C : ANALOG POWER SUPPLY FOR CHROMA D/A
- A.VDD P : ANALOG POWER SUPPLY FOR VCO
- A.VDD Y : ANALOG POWER SUPPLY FOR Y D/A
- D.G : DIGITAL GND
- D.VDD : POWER SUPPLY FOR DIGITAL

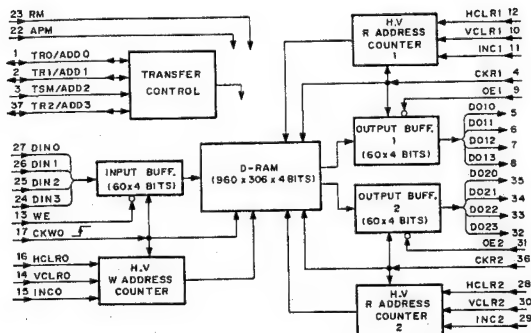


CXK1206AM (SONY) FLAT PACKAGE

C-MOS VIDEO FIELD MEMORY (960-COLUMNx306-ROWx4-BIT)
- TOP VIEW -



PIN	SIGNAL	DESCRIPTION
1	TR0/ADD0	W PORT 0 TRANSFER SYNC I/O, ADDRESS 0 INPUT
2	TR1/ADD1	R PORT 1 TRANSFER SYNC I/O, ADDRESS 1 INPUT
3	TSM/ADD2	TRANSFER SYNCHRONOUS MODE, ADDRESS 2 INPUT
4	CKR1	R PORT 1 SHIFT SIGNAL INPUT
5	DO10	R PORT 1 DATA 0 OUTPUT
6	DO11	R PORT 1 DATA 1 OUTPUT
7	DO12	R PORT 1 DATA 2 OUTPUT
8	DO13	R PORT 1 DATA 3 OUTPUT
9	OE1	R PORT 1 OUTPUT ENABLE INPUT
10	VCLR1	R PORT 1 VERTICAL CLEAR INPUT
11	INC1	R PORT 1 LINE INCREMENT INPUT
12	HCLR1	R PORT 1 HORIZONTAL CLEAR INPUT
13	WE	W PORT 0 WRITE ENABLE INPUT
14	VCLR0	W PORT 0 VERTICAL CLEAR INPUT
15	INC0	W PORT 0 LINE INCREMENT INPUT
16	HCLR0	W PORT 0 HORIZONTAL CLEAR INPUT
17	CKWO	W PORT 0 SHIFT SIGNAL INPUT
18	NC	(no connection)
19	VDD	+5V INPUT
20	GND	GND
21	NC	(no connection)
22	APM	ADDRESS PRESET MODE INPUT
23	RM	RECURSIVE MODE ENABLE INPUT
24	DIN3	W PORT 0 DATA 3 INPUT
25	DIN2	W PORT 0 DATA 2 INPUT
26	DIN1	W PORT 0 DATA 1 INPUT
27	DINO	W PORT 0 DATA 0 INPUT
28	HCLR2	R PORT 2 HORIZONTAL CLEAR INPUT
29	INC2	R PORT 2 LINE INCREMENT INPUT
30	VCLR2	R PORT 2 VERTICAL CLEAR INPUT
31	OE2	R PORT 2 OUTPUT ENABLE INPUT
32	DO23	R PORT 2 DATA 3 OUTPUT
33	DO22	R PORT 2 DATA 2 OUTPUT
34	DO21	R PORT 2 DATA 1 OUTPUT
35	DO20	R PORT 2 DATA 0 OUTPUT
36	CKR2	R PORT 2 SHIFT SIGNAL INPUT
37	TR2/ADD3	R PORT 2 TRANSFER SYNC I/O, ADDRESS 3 INPUT
38	GND	GND

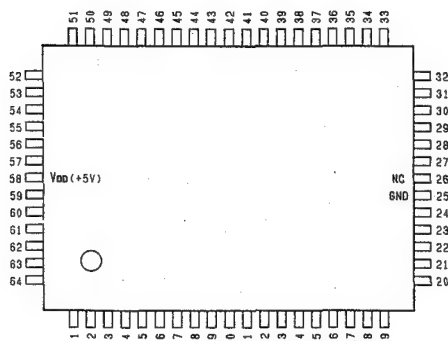


MODE SELECTION

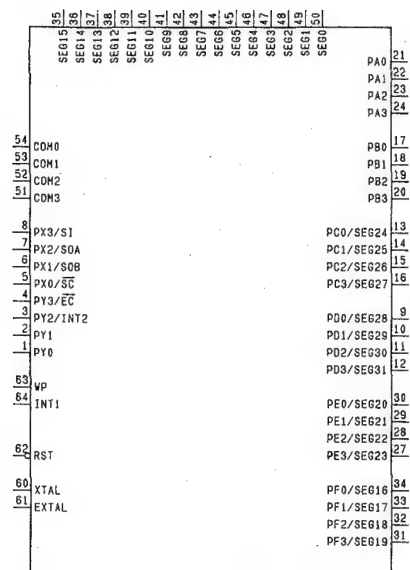
CONTROL INPUTS		TS, TR/ADD		MODE
RM	APM	TS	TR/ADD	
0	0	0	OUT-PUT	NON RECURSIVE MODE, TRANSFER SYNCHRONOUS MODE OUTPUT
0	0	1	IN-PUT	NON RECURSIVE MODE, TRANSFER SYNCHRONOUS MODE INPUT
0	1	-	-	NON RECURSIVE MODE, ADDRESS PRESET MODE
1	0	0	OUT-PUT	RECURSIVE MODE, TRANSFER SYNCHRONOUS MODE OUTPUT
1	0	1	IN-PUT	RECURSIVE MODE, TRANSFER SYNCHRONOUS MODE INPUT

0:LOW LEVEL 1:HIGH LEVEL

CXP5084H-645Q (SONY)
CMOS 4-BIT MICROCOMPUTER
- TOP VIEW -



No	I/O	SIGNAL	No	I/O	SIGNAL	No	I/O	SIGNAL	No	I/O	SIGNAL
1	0	PY0	17	I/O	PB0	33	0	PF1/SEG17	49	0	SEG1
2	0	PY1	18	I/O	PB1	34	0	PF0/SEG16	50	0	SEG0
3	I	PY2/INT2	19	I/O	PB2	35	0	SEG15	51	0	COM3
4	I	PY3/EC	20	I/O	PB3	36	0	SEG14	52	0	COM2
5	I/O	PX0/SC	21	I/O	PA0	37	0	SEG13	53	0	COM1
6	I/O	PX1/S0B	22	I/O	PA1	38	0	SEG12	54	0	COM0
7	I/O	PX2/SC	23	I/O	PA2	39	0	SEG11	55	-	VLC1
8	I	PX3/SI	24	I/O	PA3	40	0	SEG10	56	-	VLC2
9	I/O	PD0/SEG28	25	-	GND	41	0	SEG9	57	-	VLC3
10	I/O	PD1/SEG29	26	-	NC	42	0	SEG8	58	-	VDD(+5V)
11	I/O	PD2/SEG30	27	0	PE3/SEG23	43	0	SEG7	59	0	VL
12	I/O	PD3/SEG31	28	0	PE2/SEG22	44	0	SEG6	60	0	XTAL
13	I/O	PC0/SEG24	29	0	PE1/SEG21	45	0	SEG5	61	I	EXTAL
14	I/O	PC1/SEG25	30	0	PE0/SEG20	46	0	SEG4	62	I/O	RST
15	I/O	PC2/SEG26	31	0	PF3/SEG19	47	0	SEG3	63	I	WP
16	I/O	PC3/SEG27	32	0	PF2/SEG18	48	0	SEG2	64	I	INT1

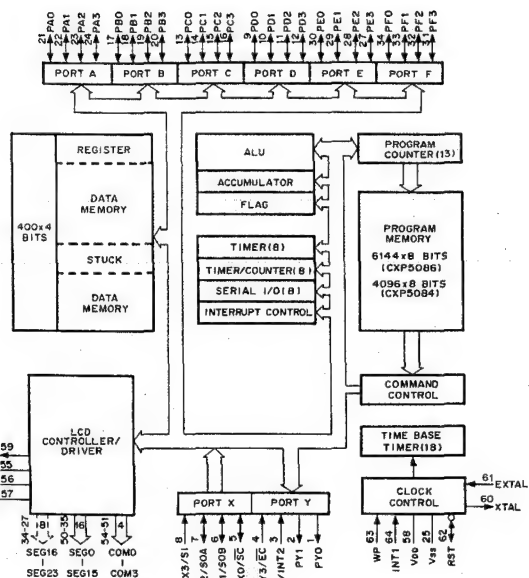


INPUT
EXTAL :CLOCK GENERATOR INPUT
INT1 :INTERRUPT INPUT 1
INT2/PY2 :PORT Y BIT "2" AND INTERRUPT
PY3/EC :EVENT COUNTER (8-BIT) INPUT AND PORT Y BIT "3" INPUT
SI/PX3 :SERIAL DATA AND PORT X BIT "3" INPUT
WP :WAKE-UP INPUT TO CANCEL STANDBY MODE

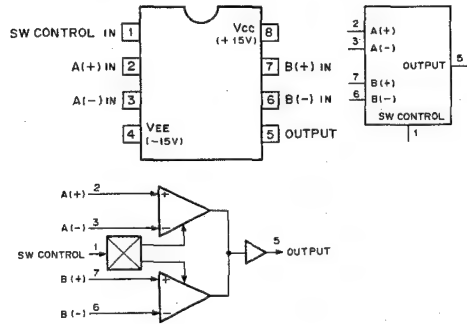
OUTPUT
COM3-COM0 :COMMON SIGNAL OUTPUT FOR LCD
PE3/SEG23-PE0/SEG20 :PORT E (4-BIT) AND SEGMENT SIGNAL OUTPUT FOR LCD.
PF3/SEG19-PF0/SEG16 :PORT F (4-BIT) AND SEGMENT SIGNAL OUTPUT FOR LCD.
PY0 :PORT Y BIT "0" OUTPUT
AND 32KHz T/C PRESCALER OUTPUT.
PY1 :PORT Y BIT "1" OUTPUT
AND PWM GENERATOR (14-BIT) OUTPUT.
SEG0-SEG15 :SEGMENT SIGNAL OUTPUT FOR LCD.
VL :CONTROL SIGNAL OUT FOR LCD CUTOFF AT STANDBY.
XTAL :CLOCK GENERATOR OUTPUT

INPUT/OUTPUT
PA0-PA3 :PORT A (4-BIT)
PB0-PB3 :PORT B (4-BIT)
PC0/SEG24-PC3/SEG27 :PORT C (4-BIT) AND SEGMENT SIGNAL OUTPUT FOR LCD.
PD0/SEG28-PD3/SEG31 :PORT D (4-BIT) AND SEGMENT SIGNAL OUTPUT FOR LCD.
RST :OUTPUT OF INTERNAL POWER ON RESET CIRCUIT
PX0/SC :PORT X BIT "0" AND SERIAL I/O SHIFT CLOCK I/O INPUT
PX1/S0B :PORT X BIT "1"
PX2/SC :PORT X BIT "2" AND SERIAL INTERFACE (8-BIT) INPUT

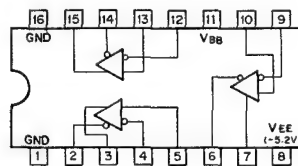
OTHERS
VLC1-VLC3 :POWER SUPPLY FOR LCD



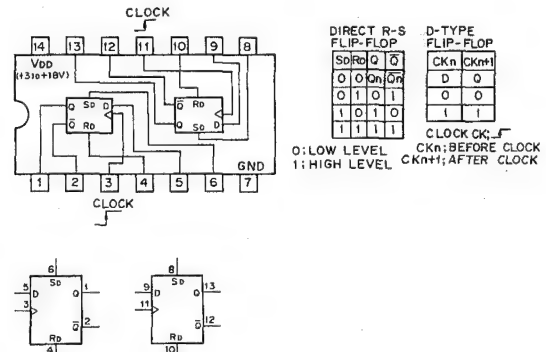
M5201FP (MITSUBISHI) FLAT PACKAGE
DUAL OPERATIONAL AMPLIFIERS WITH SWITCHED OUTPUT
- TOP VIEW -



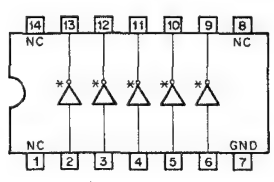
MC10H116M (MOTOROLA) FLAT PACKAGE
ECL TRIPLE DIFFERENTIAL OR/NOR LINE RECEIVERS
- TOP VIEW -



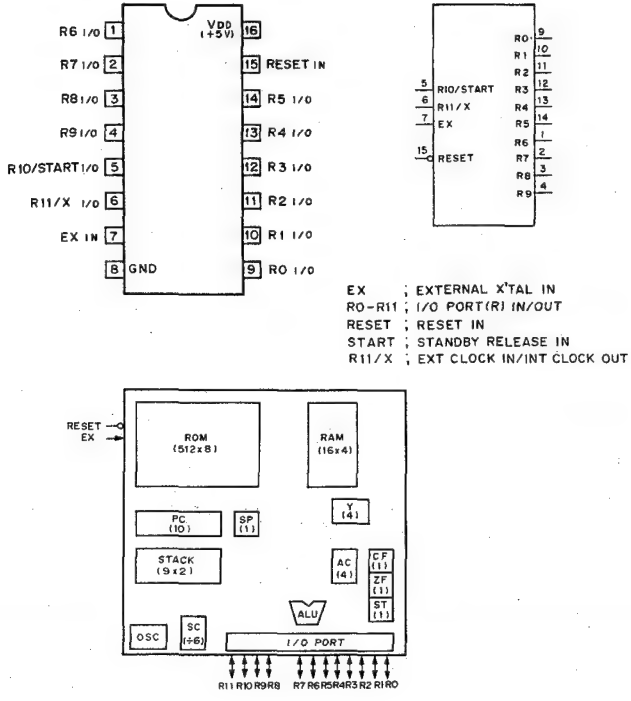
MC14013BF (MOTOROLA) FLAT PACKAGE
C-MOS DUAL D-TYPE FLIP-FLOPS WITH DIRECT SET/RESET
- TOP VIEW -



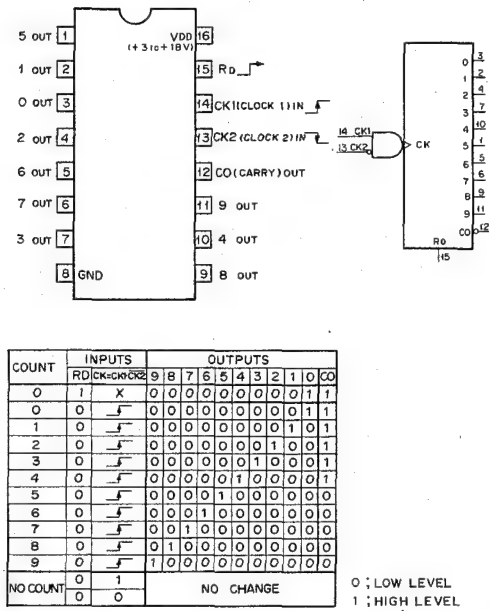
M54516F (MITSUBISHI) FLAT PACKAGE
M54516P (MITSUBISHI)
INVERTER WITH OPEN-COLLECTOR
(DARLINGTON-CONNECTED TRANSISTOR ARRAY)
- TOP VIEW -



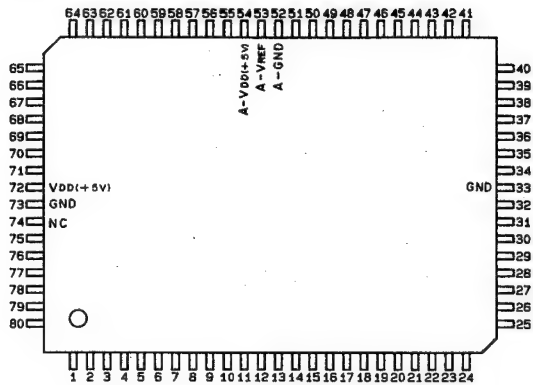
MB88201HPF-539N (FUJITSU)
C-MOS 4-BIT MICROCOMPUTER
- TOP VIEW -



MC14017BF (MOTOROLA) FLAT PACKAGE
C-MOS DECADE COUNTER/DIVIDER
- TOP VIEW -



CXP80116-870Q (SONY)
CXP80116-871Q (SONY)
CMOS 8-BIT MICROCOMPUTER
- TOP VIEW -

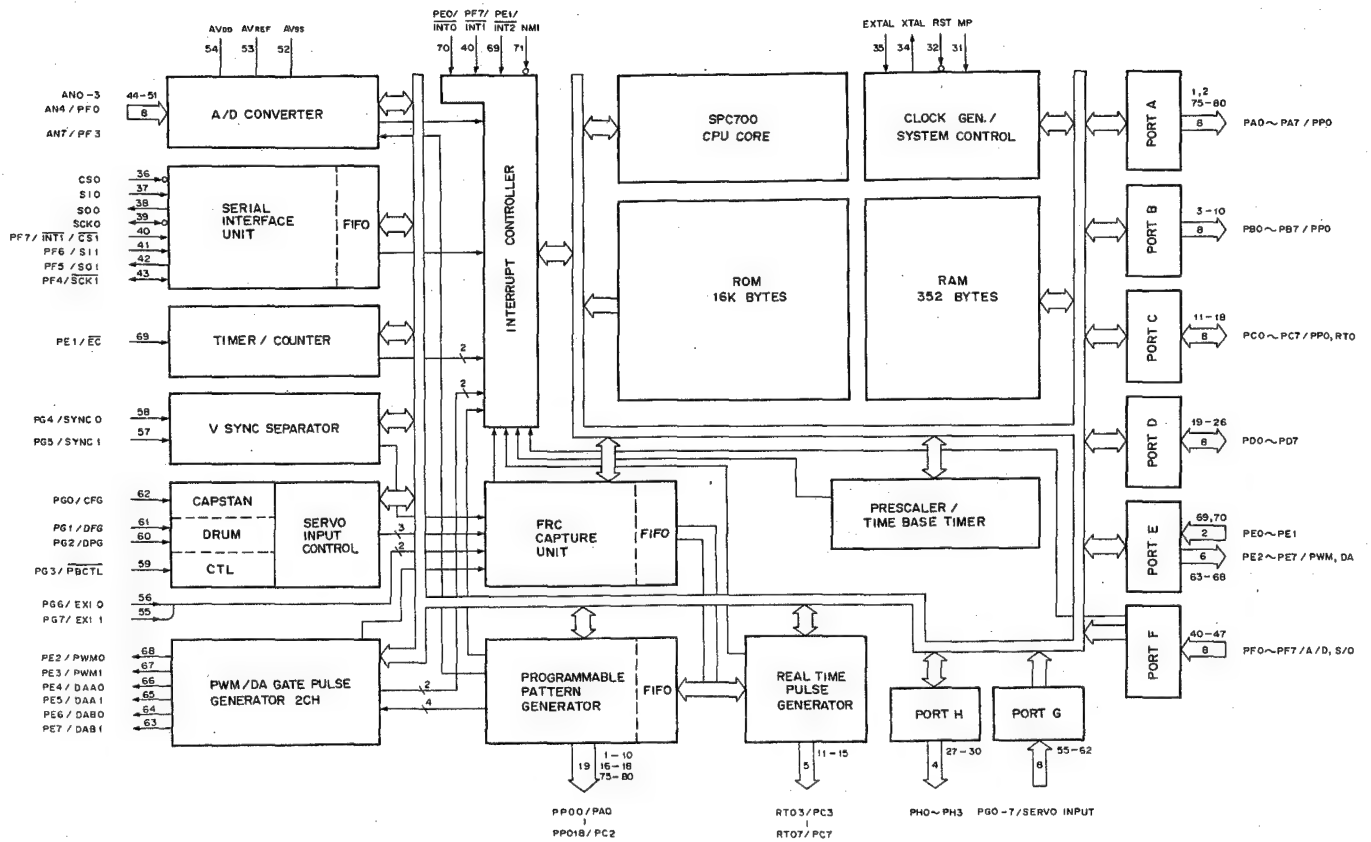


(V_{DD} = +5V)

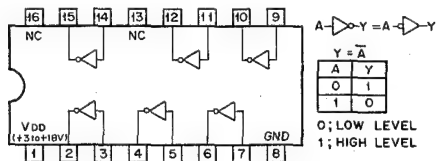
PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL
1	O	PA1/PP01/A9	41	I	PF6/S11
2	O	PA0/PP00/A8	42	I/O	PF5/S01
3	O	PB7/PP015/A7	43	I/O	PF4/SCK1
4	O	PB6/PP014/A6	44	I	PF3/AN7
5	O	PB5/PP013/A5	45	I	PF2/AN6
6	O	PB4/PP012/A4	46	I	PF1/AN5
7	O	PB3/PP011/A3	47	I	PF0/AN4
8	O	PB2/PP010/A2	48	I	AN3
9	O	PB1/PP09/A1	49	I	AN2
10	O	PB0/PP08/A0	50	I	AN1
11	I/O, O, I/O	PC7/RT07/D7	51	I	AN0
12	I/O, O, I/O	PC6/RT06/D6	52	-	A-GND
13	I/O, O, I/O	PC5/RT05/D5	53	-	A-VREF
14	I/O, O, I/O	PC4/RT04/D4	54	-	A-VDD
15	I/O, O, I/O	PC3/RT03/D3	55	I	PG7/EX11
16	I/O, O, I/O	PC2/PP018/D2	56	I	PG6/EX10
17	I/O, O, I/O	PC1/PP017/D1	57	I	PG5/SYNC1
18	I/O, O, I/O	PC0/PP016/D0	58	I	PG4/SYNC0
19	I/O, O	PD7/HALT	59	I	PG3/PBCTL
20	I/O, O	PD6/BRQ	60	I	PG2/DPG
21	I/O, O	PD5/BAK	61	I	PG1/DFG
22	I/O, O	PD4/SYNC	62	I	PG0/CFG
23	I/O, O	PD3/C	63	O	PE7/DAB1
24	I/O, O	PD2/R/W	64	O	PE6/DAB0
25	I/O, O	PD1/WR	65	O	PE5/DAA1
26	I/O, O	PD0/RD	66	O	PE4/DAA0
27	O	PH3	67	O	PE3/PWM1
28	O	PH2	68	O	PE2/PWM0
29	O	PH1	69	I	PE1/EC/INT2
30	O	PH0	70	I	PE0/INT0
31	I	MP	71	I	NMI
32	I/O	RST	72	-	VDD
33	-	GND	73	-	GND
34	O	XTAL	74	-	NC
35	I	EXTAL	75	O	PA7/PP07/A15
36	I	CS0	76	O	PA6/PP06/A14
37	I	S10	77	O	PA5/PP05/A13
38	O	S00	78	O	PA4/PP04/A12
39	I/O	SCK0	79	O	PA3/PP03/A11
40	I	PF7/INT1/CS1	80	O	PA2/PP02/A10

18	PC0 / PP016 / D0	PB0 / PP08 / A0	10	INPUT	
17	PC1 / PP017 / D1	PB1 / PP09 / A1	9	AN0 - AN7	: ANALOG INPUTS
16	PC2 / PP018 / D2	PB2 / PP10 / A2	8	BRQ	: BUS REQUEST INPUT
15	PC3 / RT03 / D3	PB3 / PP11 / A3	7	CFG	: CAPSTAN FG INPUT
14	PC4 / RT04 / D4	PB4 / PP12 / A4	6	CS0,1	: CHIP SELECT INPUTS
13	PC5 / RT05 / D5	PB5 / PP13 / A5	5	DFG	: DRUM FG INPUT
12	PC6 / RT06 / D6	PB6 / PP14 / A6	4	DPG	: DRUM PG INPUT
11	PC7 / RT07 / D7	PB7 / PP15 / A7	3	EC	: EVENT INPUT
51	AN0	PA0 / PP00 / A8	2	EX10,1	: EXTERNAL INPUTS
50	AN1	PA1 / PP01 / A9	1	EXTAL	: SYSTEM CLOCK GENERATE JOINT
49	AN2	PA2 / PP02 / A10	0	HALT	: CPU STOP INPUT
48	AN3	PA3 / PP03 / A11	2	INT0 - INT2	: EXTERNAL OFFERING INPUTS
47	PF0 / AN4	PA4 / PP04 / A12	1	MP	: MICRO PROSESSOR MODE INPUT
46	PF1 / AN5	PA5 / PP05 / A13	0	NMI	: NONMASKABLE OFFERING INPUT
45	PF2 / AN6	PA6 / PP06 / A14	78	PBCTL	: PB CTL PULSE INPUT
44	PF3 / AN7	PA7 / PP07 / A15	78	PE0,1	: PORT E INPUTS
52	PG0 / CFG	PE2 / PWM0	58	PF0 - PF7	: PORT F INPUTS
51	PG1 / DFG	PE3 / PWM1	57	PG0 - PG7	: PORT G INPUTS
50	PG2 / DFG	PE4 / DAA0	76	S10,1	: SERIAL DATA INPUTS
49	PG3 / PBCTL	PE5 / DAA1	75	SYNC0,1	: COMPOSITE SYNC INPUTS
48	PG4 / SYNC 0	PE6 / BAB0	53		
47	PG5 / SYNC 1	PE7 / BAB1	53		
46	PG6 / EX10	PH0	30	OUTPUT	
45	PG7 / EX11	PH1	29	A0 - A15	: ADDRESS BUS OUTPUTS
26	PD0 / RD	PH2	28	BAK	: BUS ACKNOWLEDGE OUTPUT
25	PD1 / WR	PH3	27	C	: TIMING SIGNAL OUTPUT
24	PD2 / R / W		31	DAA0,1	: DA GATE PULSE OUTPUTS
23	PD3 / C	MP	32	DAB0,1	: DA GATE PULSE OUTPUTS
22	PD4 / SYNC	S00	38	PA0 - PA7	: PORT A OUTPUTS
21	PD5 / BAK	SCK0	39	PB0 - PB7	: PORT B OUTPUTS
20	PD6 / BRQ	PF3 / S01	43	PE2 - PE7	: PORT E OUTPUTS
19	PD7 / HALT	PF4 / SCK1	43	PH0 - PH3	: PORT H OUTPUTS
35	EXTAL	XTAL	34	PP00 - PP018	: PROGRAMMABLE PATTERN GENERATOR OUTPUTS
36	CS0			PWM0,1	: PWM OUTPUTS
37	S10			R / W	: CPU MACHINE SYCLE
40	PF7 / INT1 / CS1			RD	: READ
41	PF6 / S11			RT03 - RT07	: REAL TIME PULSE OUTPUTS
59	PE1 / EC / INT2			S00,1	: SERIAL DATA OUTPUTS
70	PE0 / INT0			SYNC	: SYNC
71	NMI			WR	: WRITE
				XTAL	: SYSTEM CLOCK GENERATER OUTPUT

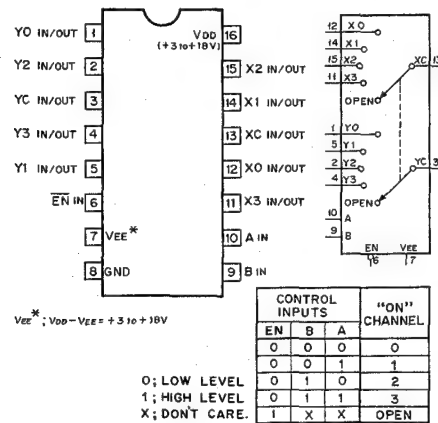
INPUT/OUTPUT
D0 - D7 : DATA BUS
PC0 - PC7 : PORT C
PD0 - PD7 : PORT D
RST : RESET
SCK0,1 : SERIAL CLOCK



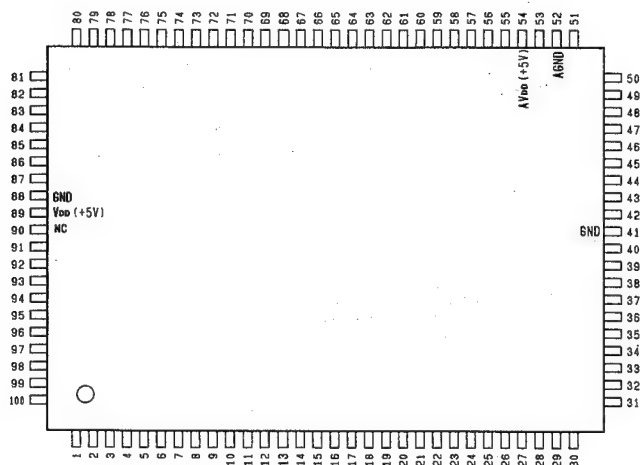
MC14049UBF (MOTOROLA) FLAT PACKAGE
C-MOS INVERTING TYPE BUFFER/CONVERTER
- TOP VIEW -



MC14052BF (MOTOROLA) FLAT PACKAGE
HD14053BFP (HITACHI)
C-MOS DUAL 4-CHANNEL ANALOG MULTIPLEXERS/DEMULTIPLEXERS
- TOP VIEW -



CXP80624-445Q (SONY) FLAT PACKAGE
C-MOS 8-BIT 1-CHIP MICROCOMPUTER
- TOP VIEW -



(V_{DD} = AV_{DD} = +5V)

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	O	PB5/PP013	26	I/O	PD4	51	I/O	PF4/AN8	76	O	PE2/PWM0
2	O	PB4/PP012	27	I/O	PD3	52	-	AGND	77	I	PE1/EC/INT2
3	O	PB3/PP011	28	I/O	PD2	53	I	AVREF	78	I	PE0/INT0
4	O	PB2/PP010	29	I/O	PD1	54	-	AVDD	79	I/O	PI7/SI1
5	O	PB1/PP009	30	I/O	PD0	55	I	PF3/AN7	80	I/O	PI6/SO1
6	O	PB0/PP008	31	I/O	PH7	56	I	PF2/AN6	81	I/O	PI5/SCK1
7	I/O	PC7/RT07	32	O	PH6	57	I	PF1/AN5	82	I/O	PI4/INT1
8	I/O	PC6/RT06	33	O	PH5	58	I	PF0/AN4	83	I/O	PI3/TO
9	I/O	PC5/RT05	34	O	PH4	59	I	AN3	84	I/O	PI2/PWM
10	I/O	PC4/RT04	35	O	PH3	60	I	AN2	85	I/O	PI1/PO
11	I/O	PC3/RT03	36	O	PH2	61	I	AN1	86	I	PI0/PCK
12	I/O	PC2/PP018	37	O	PH1	62	I	AN0	87	I	PK0
13	I/O	PC1/PP017	38	O	PH0	63	I	PG7/EX11	88	-	GND
14	I/O	PC0/PP016	39	O	MP	64	I	PG6/EX10	89	-	VDD
15	I/O	PJ7	40	I/O	RST	65	I	PG5/SYNC1	90	-	NC
16	I/O	PJ6	41	-	GND	66	I	PG4/SYNC0	91	O	PA7/PP07
17	I/O	PJ5	42	O	XTAL	67	I	PG3/PBCTL	92	O	PA6/PP06
18	I/O	PJ4	43	I	EXTAL	68	I	PG2/DPG	93	O	PA5/PP05
19	I/O	PJ3	44	I	CS0	69	I	PG1/DFG	94	O	PA4/PP04
20	I/O	PJ2	45	I	SI0	70	I	PG0/CFG	95	O	PA3/PP03
21	I/O	PJ1	46	O	SO0	71	O	PE7/DAB1	96	O	PA2/PP02
22	I/O	PJ0	47	I/O	SCK0	72	O	PE6/DAB0	97	O	PA1/PP01
23	I/O	PD7	48	I/O	PFT/AN11	73	O	PE5/DAA1	98	O	PA0/PP00
24	I/O	PD6	49	I/O	PF6/AN10	74	O	PE4/DAA0	99	O	PB7/PP015
25	I/O	PD5	50	I/O	PF5/AN9	75	O	PE3/PWM1	100	O	PB6/PP014

91	PA7/PP07	DAB1/PE7	71
92	PA6/PP06	DAB0/PE6	72
93	PA5/PP05	DAA1/PE5	73
94	PA4/PP04	DAA0/PE4	74
95	PA3/PP03	PWM1/PE3	75
96	PA2/PP02	PWM0/PE2	76
97	PA1/PP01	EC/INT2/PE1	77
98	PA0/PP00	INT0/PE0	78
89	PB7/PP015	EX11/PG7	83
100	PB6/PP014	EX10/PG6	84
1	PB5/PP013	SYNC1/PG5	85
2	PB4/PP012	SYNC0/PG4	86
3	PB3/PP011	PBCTL/PG3	87
4	PB2/PP010	DPG/PG2	88
5	PB1/PP009	DPG/PG1	89
6	PB0/PP008	DPG/PG0	90
7	PC7/RT07	PH7	91
8	PC6/RT06	PH6	92
9	PC5/RT05	PH5	93
10	PC4/RT04	PH4	94
11	PC3/RT03	PH3	95
12	PC2/PP018	PH2	96
13	PC1/PP017	PH1	97
14	PC0/PP016	PH0	98
23	PD7	SI1/PI7	79
24	PD6	SO1/PI6	80
25	PD5	SCK1/PI5	81
26	PD4	INT1/PI4	82
27	PD3	TO/PI3	83
28	PD2	PWM/PI2	84
29	PD1	PO/PI1	85
30	PD0	PCK/PI0	86
39	NP	PJ7	15
40	RST	PJ6	16
41		PJ5	17
42	XTAL	PJ4	18
43	EXTAL	PJ3	19
44		PJ2	20
45	CS0	PJ1	21
46	SI0	PJ0	22
47	SO0		
48	SCK0	PK0	87
49	AN11/PE7		
50	AN10/PE6		
51	AN9/PE5		
52	AN8/PE4		
53	AN7/PE3		
54	AN6/PE2		
55	AN5/PE1		
56	AN4/PE0		
57	AN3		
58	AN2		
59	AN1		
60	AN0		
61	AGND		
62	AVREF		
63	AVDD		
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INPUT

AN0 - AN11 : A-D CONVERTOR'S ANALOG INPUTS
AVREF : A-D CONVERTOR'S REFERENCE VOLTAGE INPUT
CFG : CAPSTAN FG INPUT
CS0 : SERIAL INTERFACE CHANNEL 0 SELECT INPUT
DPG,DFG : DIRM PG AND FG INPUTS
EC : EVENT CONTROL INPUT FOR TIMER/COUNTER
EX10,EX11 : FRC CAPTURE UNIT'S EXTERNAL INPUTS
EXTAL : CRYSTAL CONNECTION OR EXTERNAL CLOCK INPUT
FOR SYSTEM CLOCK GENERATOR
INT0 - INT2 : INTERRUPT REQUEST INPUTS (FALLING EDGE ACTIVE)
PBCTL : PLAYBACK CTL PULSE INPUT
PCK : PRESCALER'S EXTERNAL CLOCK INPUT
PE0,PE1 : INPUTS OF PORT E (PE2 - PE7 : OUTPUTS)
PF0 - PF3 : INPUTS OF PORT F (PF4 - PF7 : OUTPUTS)
PG0 - PG7 : INPUTS OF PORT G
PI0 : INPUT OF PORT I (PI1 - PI7 : INPUTS/OUTPUTS)
PK0 : INPUT OF PORT K
SI0,SI1 : SERIAL DATA INPUTS (CHANNEL 0 AND CHANNEL 1)
SYNC0,SYNC1 : COMPOSITE SYNC SIGNAL INPUTS

OUTPUT

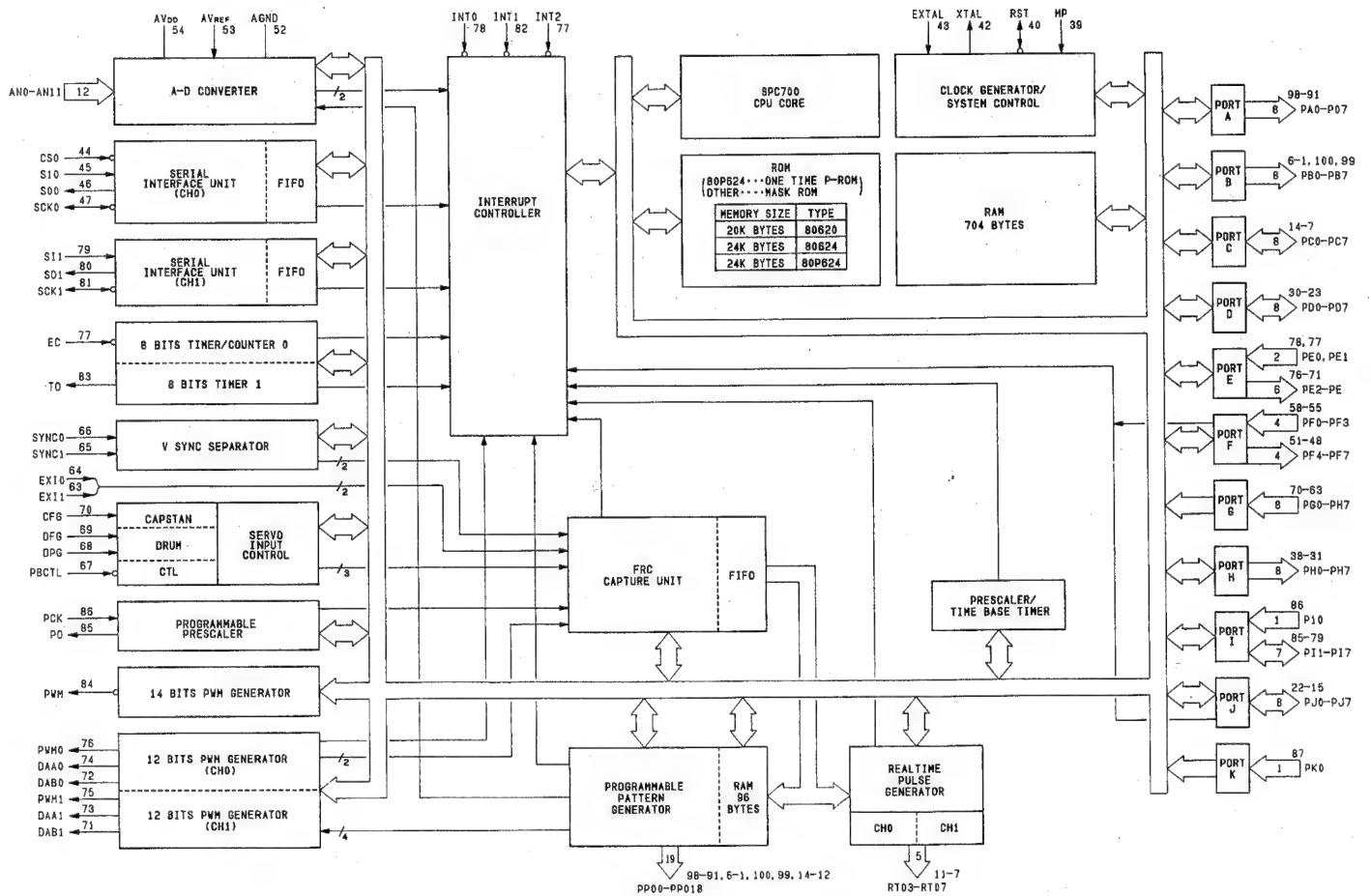
DAA0,DAB0 : DA GATE PULSE OUTPUTS (12 BITS PWM CHANNEL 0)
DAA1,DAB1 : DA GATE PULSE OUTPUTS (12 BITS PWM CHANNEL 1)
MP : MICROPROCESSOR MODE INPUT
PA0 - PA7 : OUTPUTS OF PORT A
PB0 - PB7 : OUTPUTS OF PORT B
PE0 - PE7 : OUTPUTS OF PORT E (PE0,PE1 : INPUTS)
PF4 - PF7 : OUTPUTS OF PORT F (PF0 - PF3 : INPUTS)
PH0 - PH7 : OUTPUTS OF PORT H (N-CH OPEN DRAIN OUTPUTS)
PP00 - PP018 : PROGRAMMABLE PATTERN GENERATOR OUTPUTS
PO : PRESCALER OUTPUT
PWM : PULSE WIDTH MODULATION OUTPUT
PWM0,PWM1 : 12 BITS PULSE WIDTH MODULATION OUTPUTS
(CHANNEL 0 AND CHANNEL 1)
RT03 - RT07 : REALTIME PULSE GENERATOR OUTPUTS
SO0,SO1 : SERIAL DATA OUTPUTS (CHANNEL 0 AND CHANNEL 1)
TO : TIMER/COUNTER OUTPUT (DUTY 50%)
XTAL : CRYSTAL CONNECTION

INPUT/OUTPUT

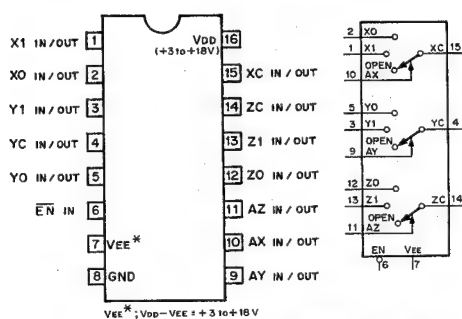
PC0 - PC7 : INPUTS/OUTPUTS OF PROT C (BIT PROGRAMMABLE)
PD0 - PD7 : INPUTS/OUTPUTS OF PROT D (4 BITS PROGRAMMABLE)
PI1 - PI7 : INPUTS/OUTPUTS OF PROT I (BIT PROGRAMMABLE, PIO : INPUT)
PJ0 - PJ7 : INPUTS/OUTPUTS OF PROT J (BIT PROGRAMMABLE)
RST : SYSTEM RESET INPUT AND POWER ON RESET OUTPUT
SCK0,SCK1 : SERIAL CLOCK INPUTS/OUTPUTS (CHANNEL 0 AND CHANNEL 1)

OTHER

AGND : A-D CONVERTOR'S GROUND
AVDD (+5V) : A-D CONVERTOR'S VDD



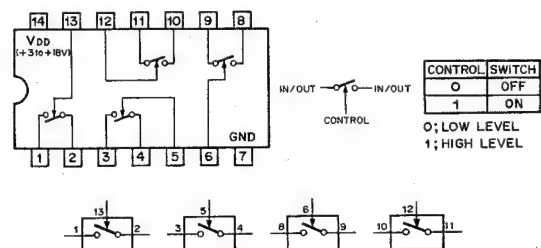
MC14053BF (MOTOROLA) FLAT PACKAGE
 CMOS TRIPLE 2-CHANNEL ANALOG MULTIPLEXERS/DEMULTIPLEXERS
 - TOP VIEW -



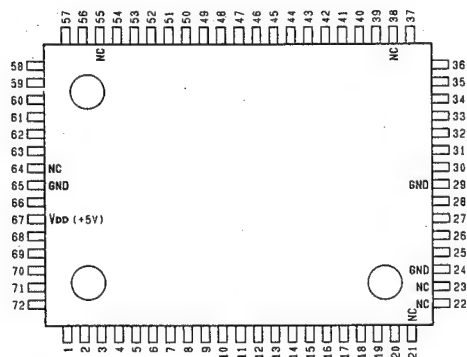
0; LOW LEVEL
 1; HIGH LEVEL
 X; DON'T CARE.

CONT. INPUTS	ON CHANNEL
EN A (X,Y,Z)	
0	0
1	1
X	OPEN

MC14066BF (MOTOROLA) FLAT PACKAGE
 CMOS QUAD BILATERAL ANALOG SWITCH
 - TOP VIEW -

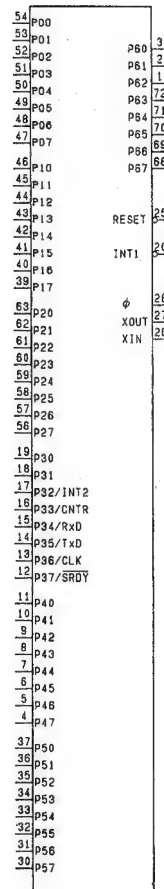


M50747H-161FP (MITUBISHI)
C-MOS 8-BIT MICROCOMPUTER
- TOP VIEW -



(VDD = +5V)

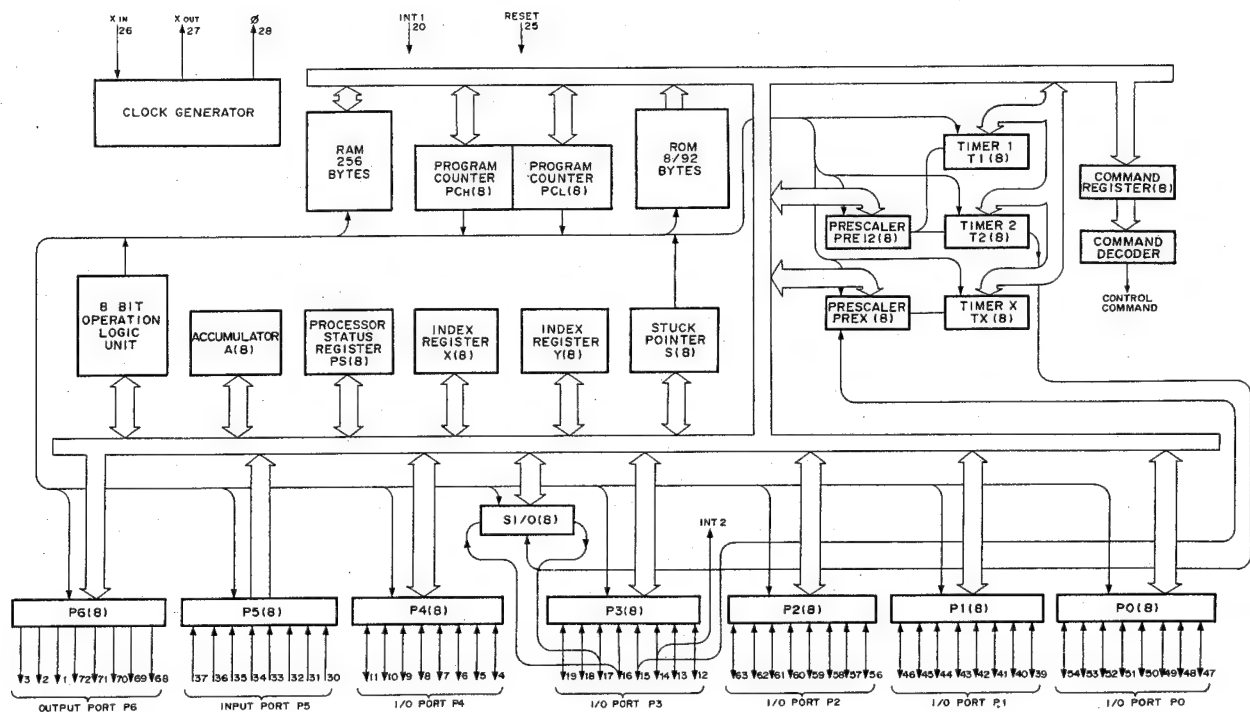
Pin No	I/O	SIGNAL	Pin No	I/O	SIGNAL	Pin No	I/O	SIGNAL	Pin No	I/O	SIGNAL
1	0	P62	19	I/O	P30	37	I	P50	55	-	NC
2	0	P61	20	I	INT1	38	-	NC	56	I/O	P27
3	0	P60	21	-	NC	39	I/O	P17	57	I/O	P26
4	I/O	P47	22	-	NC	40	I/O	P16	58	I/O	P25
5	I/O	P46	23	-	NC	41	I/O	P15	59	I/O	P24
6	I/O	P45	24	-	NC	42	I/O	P14	60	I/O	P23
7	I/O	P44	25	I	RESET	43	I/O	P13	61	I/O	P22
8	I/O	P43	26	I	XIN	44	I/O	P12	62	I/O	P21
9	I/O	P42	27	0	XOUT	45	I/O	P11	63	I/O	P20
10	I/O	P41	28	0	φ	46	I/O	P10	64	-	NC
11	I/O	P40	29	-	GND	47	I/O	P07	65	-	GND
12	I/O	P37/SRDY	30	I	P57	48	I/O	P06	66	-	NC
13	I/O	P36/CLK	31	I	P56	49	I/O	P05	67	-	VCC
14	I/O	P35/TxD	32	I	P55	50	I/O	P04	68	0	P67
15	I/O	P34/RxD	33	I	P54	51	I/O	P03	69	0	P66
16	I/O	P33/CNTR	34	I	P53	52	I/O	P02	70	0	P65
17	I/O	P32/INT2	35	I	P52	53	I/O	P01	71	0	P64
18	I/O	P31	36	I	P51	54	I/O	P00	72	0	P63



INPUT
INT1 : INTERRUPT INPUT (MSB)
P50-P57 : 8-BIT INPUT PORT P5
RESET : RESET WHEN SET TO "L" FOR 2us OR MORE.
XIN : CLOCK INPUT

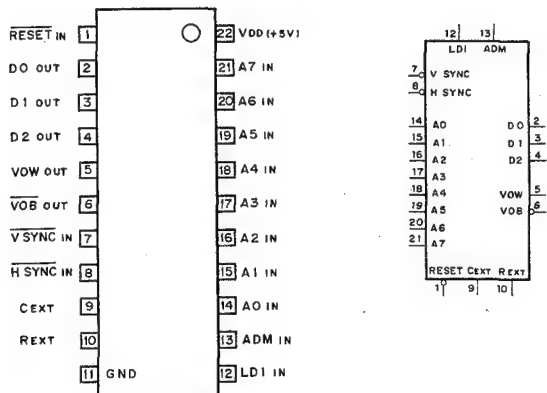
OUTPUT
φ : TIMING OUTPUT
P60-P67 : 8-BIT OUTPUT PORT P6
XOUT : CLOCK OUTPUT

INPUT/OUTPUT
P00-P07 : 8-BIT I/O PORT P0
P10-P17 : 8-BIT I/O PORT P1
P20-P27 : 8-BIT I/O PORT P2
P30-P37 : 8-BIT I/O PORT P3
P40-P47 : 8-BIT I/O PORT P4
P52/INT2 : PORT/INTERRUPT INPUT
P33/CNTR : PORT/CONTROL INPUT OUTPUT
P34/RxD : RECEIVED DATA
P35/TxD : TRANSMITTED DATA
P36/CLK : PORT/CLOCK INPUT OUTPUT
P37/SRDY : SERL IN READY



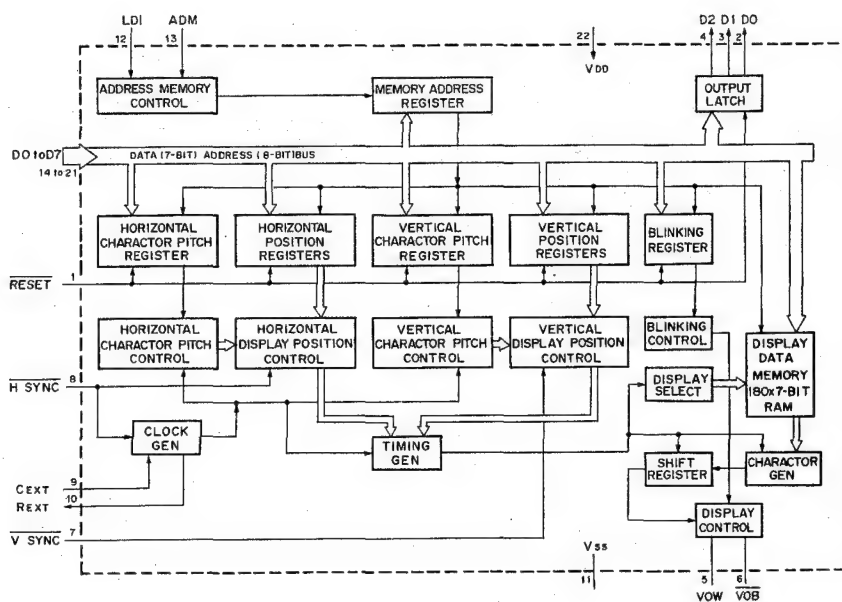
MB88303 (FUJITSU)

N-MOS PROGRAMMABLE TV DISPLAY CONTROLLER
- TOP VIEW -



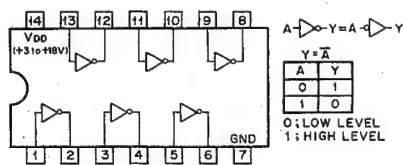
bs-b0 bs-b4	0000	0001	0010	0011	0100	0101	0110	0111	1000	1001	1010	1011	1100	1101	1110	1111
00	A	B	C	D	E	F	G	H	I	J	K	L	M	.	BLANK	
01	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	:		[
10	0	1	2	3	4	5	6	7	8	9	?	!	'	.	BACK]
11	↑	↓	←	→	+	-	*	/	=	&						

ADM : ADDRESS INCREMENT MODE
A0 to A7 : ADDRESS INPUT
D0 to D2 : DATA OUTPUT
CEXT : EXT CAPACITOR FOR OSC
LDI : LOAD DATA AND INSTRUCTION
VOB : VIDEO BLACK OUT
VOW : VIDEO WHITE OUT
REXT : EXT RESISTOR FOR OSC



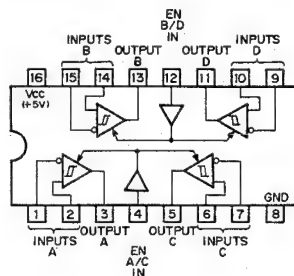
MC14069UBF (MOTOROLA)

C-MOS INVERTER
- TOP VIEW -



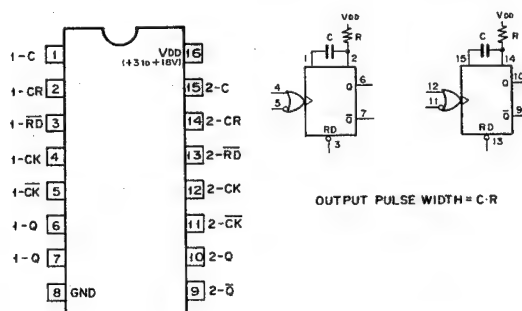
MC3486N (TI)

QUAD RS-422/423 LINE RECEIVER WITH 3-STATE OUTPUTS
- TOP VIEW -

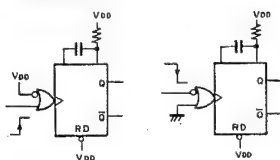


MC14538BF (MOTOROLA) FLAT PACKAGE

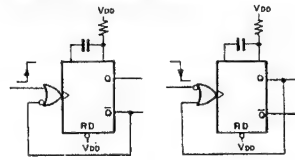
C-MOS DUAL RETRIGGERABLE MONOSTABLE MULTIVIBRATORS
- TOP VIEW -



RETRIGGERABLE M.M.V

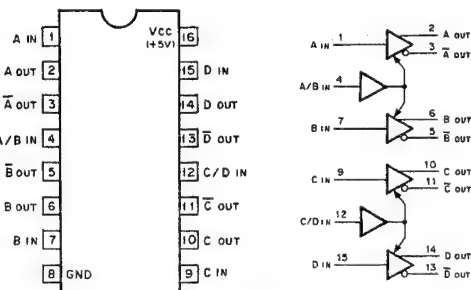


NON-RETRIGGERABLE M.M.V



MC3487N (MOTOROLA)

QUAD RS-422 LINE DRIVER WITH 3-STATE OUTPUTS
- TOP VIEW -

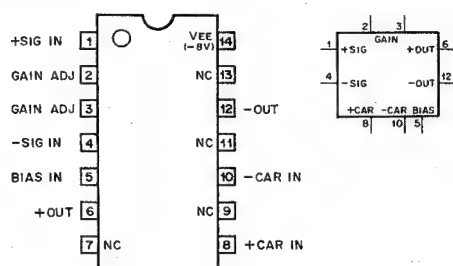


A, B, C, D IN	A/B, C/D IN	A, B, C, D OUT	A, B, C, D OUT
0	0	0	1
1	0	1	0
X	1	Hi-Z	Hi-Z

0: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE
Hi-Z: HIGH IMPEDANCE

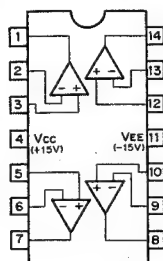
MC1496M (MOTOROLA) FLAT PACKAGE

BALANCED MODULATOR/DEMODULATOR
- TOP VIEW -



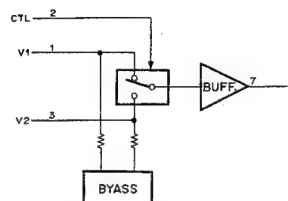
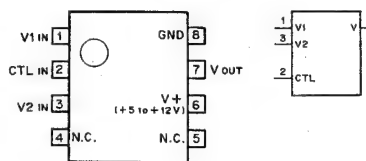
MC34184M (MOTOROLA) FLAT PACKAGE

JFET INPUT OPERATIONAL AMPLIFIER
- TOP VIEW -



NJM2233BM (JRC) FLAT PACKAGE

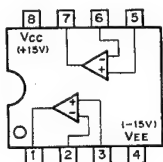
2-INPUT VIDEO SIGNAL SWITCH
- TOP VIEW -



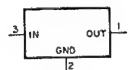
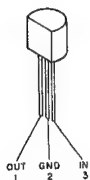
CTL	V
0	V1
1	V2

0: LOW LEVEL
1: HIGH LEVEL

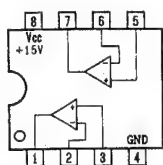
NJM4558M-A (JRC) FLAT PACKAGE
RC4558MA (RAYTHEON) FLAT PACKAGE
OPERATIONAL AMPLIFIER
(WIDE BAND, DECOMPENSATED)
- TOP VIEW -



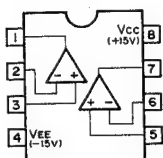
NJM78L05A (JRC) + 5V (100mA)
RC78L05A (RAYTHEON) + 5V (100mA)
POSITIVE VOLTAGE REGULATOR



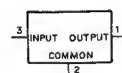
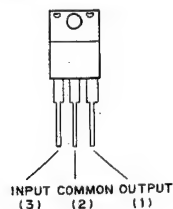
RC3414M (NJM) FLAT PACKAGE
DUAL OPERATIONAL AMPLIFIER
- TOP VIEW -



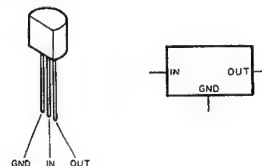
NJM4558M (JRC) FLAT PACKAGE
NJM4562M (JRC) FLAT PACKAGE
RC4558M (RAYTHEON) FLAT PACKAGE
RC4560M (RAYTHEON) FLAT PACKAGE
DUAL OPERATIONAL AMPLIFIER
- TOP VIEW -



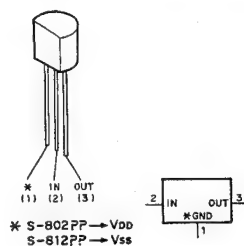
RC7805FA (RAYTHEON) + 5V
POSITIVE VOLTAGE REGULATOR
- FRONT VIEW -



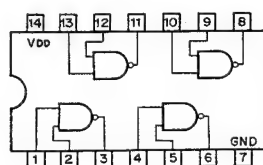
NJM79L05A (JRC) - 5V
RC79L05A (RAYTHEON) - 5V
NEGATIVE VOLTAGE REGULATOR (100mA)



S-80230AG (SEIKO I AND E) - 3V
S-81230AG (SEIKO I AND E) + 3V
C-MOS VOLTAGE REGULATOR



SN74HC00ANS (TI) FLAT PACKAGE
C-MOS QUAD 2-INPUT NAND GATES
- TOP VIEW -



$$A \text{ --- } \text{---} Y = A \cdot B$$

$$B \text{ ---} \text{---} Y = A + B$$

$$Y = A \cdot B = \overline{\overline{A} + \overline{B}}$$

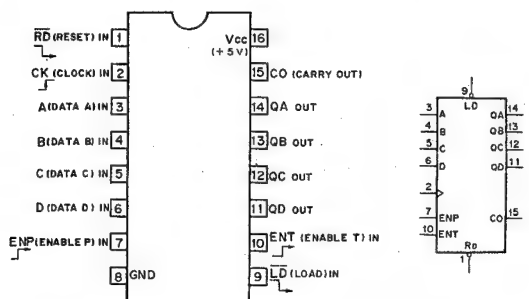
A	B	Y
0	0	1
0	1	1
1	0	1
1	1	0

0; LOW LEVEL
1; HIGH LEVEL

NOTE:

TYPE	VDD
TC74AC00 TYPE	+2 to +5.5V
MC74HCT00N	+5V
74ACT00 TYPE	+4.5 to +5.5V
OTHER TYPES	+2 to +6V

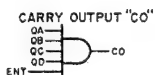
SN74ALS163BNS (TI) FLAT PACKAGE
TTL PRESETTABLE SYNCHRONOUS 4-BIT BINARY COUNTER
- TOP VIEW -



MODE SELECTION

CONTROL INPUTS					MODE
Rd	LD	ENP	ENT		
0	X	X	X		RESET (SYNCHRONOUS)
1	0	X	X		PRESET (SYNCHRONOUS)
1	1	0	X		NO COUNT
1	1	X	0		NO COUNT
1	1	1	1		COUNT

0: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE

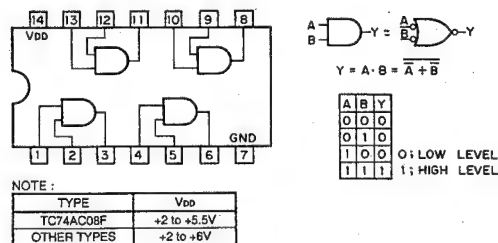


CO IS HIGH WHEN ENT INPUT IS HIGH AND COUNT IS 15.

COUNT SEQUENCE

COUNT	OUTPUTS			
	QD	QC	QB	QA
0	0	0	0	0
1	0	0	0	1
2	0	0	1	0
3	0	0	1	1
4	0	1	0	0
5	0	1	0	1
6	0	1	1	0
7	0	1	1	1
8	1	0	0	0
9	1	0	0	1
10	1	0	1	0
11	1	0	1	1
12	1	1	0	0
13	1	1	0	1
14	1	1	1	0
15	1	1	1	1

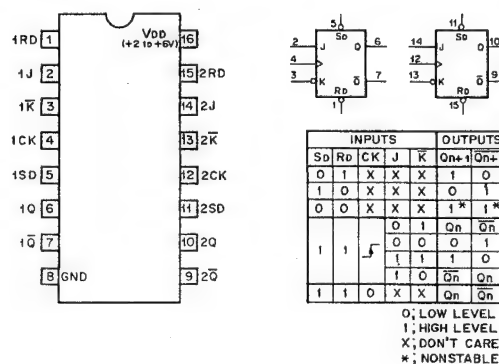
SN74HC08ANS (TI) FLAT PACKAGE
CMOS QUAD 2-INPUT AND GATES
- TOP VIEW -



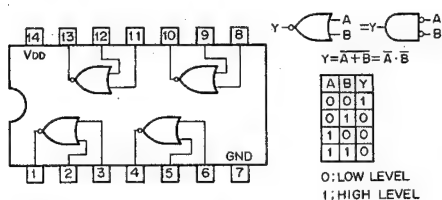
NOTE:

TYPE	V _{DD}
TC74AC08F	+2 to +5.5V
OTHER TYPES	+2 to +6V

SN74HC109ANS (TI) FLAT PACKAGE
CMOS J-K FLIP-FLOP WITH DIRECT SET/RESET
- TOP VIEW -



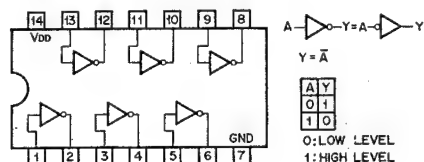
SN74HC02ANS (TI) FLAT PACKAGE
CMOS QUAD 2-INPUT NOR GATES
- TOP VIEW -



NOTE:

TYPE	V _{DD}
TC74AC02F	+2 to +5.5V
74ACT02SJ TC74ACT02F	+4.5 to +5.5V
OTHER TYPES	+2 to +6V

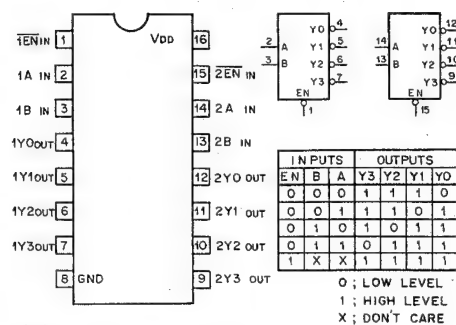
SN74HC04ANS (TI) FLAT PACKAGE
CMOS HEX INVERTERS
- TOP VIEW -



NOTE:

TYPE	V _{DD}
74HCT04 TYPE	+5V
TC74AC04 TYPE	+2 to +5.5V
74ACT04 TYPE	+4.5 to +5.5V
OTHER TYPES	+2 to +6V

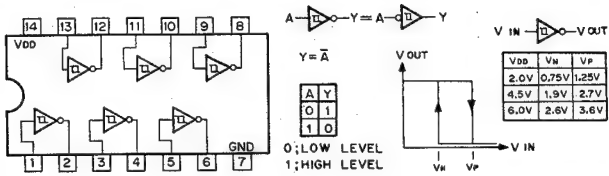
SN74HC139ANS (TI) FLAT PACKAGE
CMOS DUAL 2-TO-4 DECODER/DEMULPLEXER
- TOP VIEW -



NOTE:

TYPE	V _{DD}
74AC/74HC	+2 to +6V
74ACT	+5V
TC74AC139	+2 to +5.5V

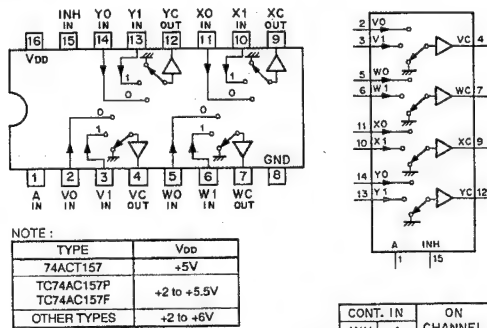
SN74HC14ANS (TI) FLAT PACKAGE

C-MOS HEX SCHMITT TRIGGER INVERTERS
- TOP VIEW -

NOTE:

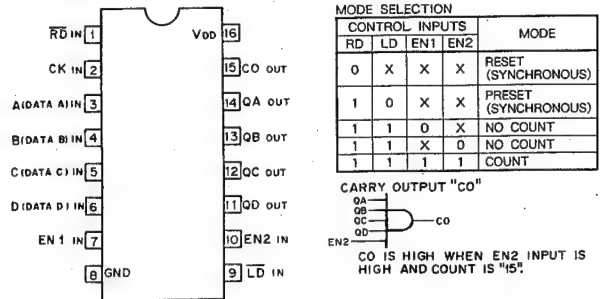
TYPE	VDD
TC74AC14 TYPE	+2 to +5.5V
OTHER TYPES	+2 to +6V

SN74HC157ANS (TI) FLAT PACKAGE

C-MOS QUAD 2-LINE-TO-1-LINE DATA SELECTOR/MULTIPLEXER
- TOP VIEW -0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

CONT. IN	A	ON CHANNEL
INH	0	0
	0	1
	1	X

SN74HC163ANS (TI) FLAT PACKAGE

C-MOS PRESETTABLE SYNCHRONOUS 4-BIT BINARY COUNTER
- TOP VIEW -

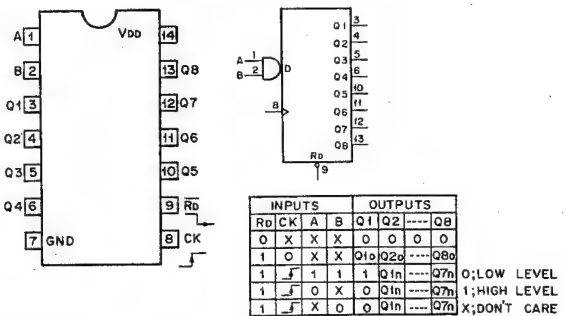
NOTE:

TYPE	VDD
74ACT163 TYPE	+4.5 to +5.5V
TC74AC163 TYPE	+2 to +5.5V
OTHER TYPES	+2 to +6V

COUNT SEQUENCE

COUNT	QD	QC	QB	QA
0	0	0	0	0
1	0	0	0	1
2	0	0	1	0
3	0	0	1	1
4	0	1	0	0
5	0	1	0	1
6	0	1	1	0
7	0	1	1	1
8	1	0	0	0
9	1	0	0	1
10	1	0	1	0
11	1	0	1	1
12	1	1	0	0
13	1	1	0	1
14	1	1	1	0
15	1	1	1	1

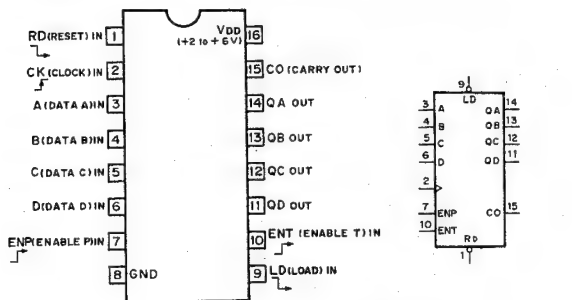
SN74HC164ANS (TI) FLAT PACKAGE

C-MOS 8-BIT SERIAL-IN/PARALLEL-OUT SHIFT REGISTER
- TOP VIEW -

NOTE:

TYPE	VDD
TC74AC164 TYPE	+2 to +5.5V
OTHER TYPES	+2 to +6V

SN74HC160NS (TI)

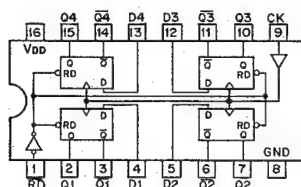
C-MOS SYNCHRONOUS PRESETTABLE 4-BIT DECADE COUNTER
- TOP VIEW -

COUNT SEQUENCE

COUNT	QD	QC	QB	QA	CO
0	0	0	0	0	0
1	0	0	0	1	0
2	0	0	1	0	0
3	0	0	1	1	0
4	0	1	0	0	0
5	0	1	0	1	0
6	0	1	1	0	0
7	0	1	1	1	0
8	1	0	0	0	0
9	1	0	0	1	1

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

SN74HC175ANS (TI) FLAT PACKAGE
C-MOS QUAD D-TYPE FLIP-FLOPS WITH RESET
- TOP VIEW -



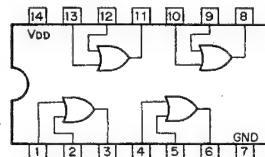
NOTE:

TYPE	VDD
TC74AC175F	+2 to +5.5V
74ACT175 TYPE	+4.5 to +5.5V
OTHER TYPES	+2 to +6V

RD	CK	D	Q	Q-bar
0	X	X	0	1
1	X	0	1	0
1	X	1	0	1
1	0	X	Q ₀	Q ₀ -bar

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE
Q₀; NO CHANGE
Q₀-bar; NO CHANGE

SN74HC32ANS (TI) FLAT PACKAGE
C-MOS QUAD 2-INPUT OR GATES
- TOP VIEW -



NOTE:

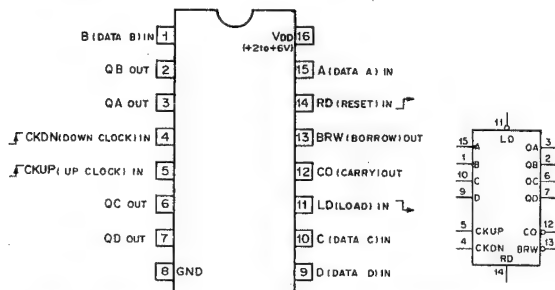
TYPE	VDD
TC74AC32 TYPE	+2 to +5.5V
OTHER TYPES	+2 to +6V

$$Y = A + B = \overline{A \cdot B}$$

A	B	Y
0	0	0
0	1	1
1	0	1
1	1	1

0; LOW LEVEL
1; HIGH LEVEL

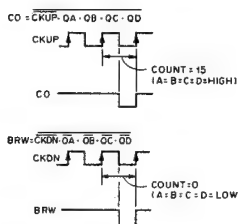
SN74HC193ANS (TI) FLAT PACKAGE
C-MOS PRESETTABLE SYNCHRONOUS 4-BIT UP/DOWN COUNTER
- TOP VIEW -



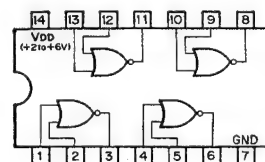
CONTROL INPUT				MODE
RD	LD	CKUP	CKDN	
1	X	X	X	RESET TO ZERO
0	0	X	X	PRESET
0	1	1	0	UP COUNT
0	1	0	1	DOWN COUNT
0	1	1	1	NO COUNT

COUNT	OUTPUT			
	QD	QC	QB	QA
0	0	0	0	0
1	0	0	0	1
2	0	0	1	0
3	0	0	1	1
4	0	1	0	0
5	0	1	0	1
6	0	1	1	0
7	0	1	1	1
8	1	0	0	0
9	1	0	0	1
10	1	0	1	0
11	1	0	1	1
12	1	1	0	0
13	1	1	0	1
14	1	1	1	0
15	1	1	1	1

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE



SN74HC36NS (TI) FLAT PACKAGE
C-MOS 2-INPUT NOR GATE
- TOP VIEW -

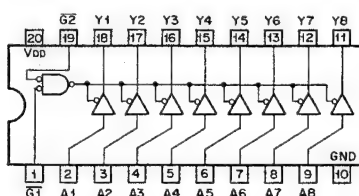


$$Y = A + B = \overline{A \cdot B}$$

A	B	Y
0	0	1
0	1	0
1	0	0
1	1	0

0; LOW LEVEL
1; HIGH LEVEL

SN74HC541ANS (TI) FLAT PACKAGE
C-MOS BUFFERS AND LINE DRIVERS WITH 3-STATE OUTPUTS
- TOP VIEW -



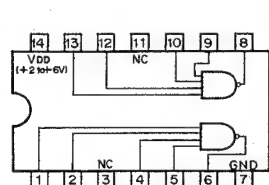
G1	G2	A	Y
0	0	0	0
0	0	1	1
1	X	X	HI-Z
X	1	X	HI-Z

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE
HI-Z; HIGH IMPEDANCE

NOTE:

TYPE	VDD
AC	+2 to +5.5V
HC	+2 to +6V
ACT/HCT	+5V

SN74HC20ANS (TI) FLAT PACKAGE
C-MOS 4-INPUT POSITIVE-NAND GATE
- TOP VIEW -



NOTE:

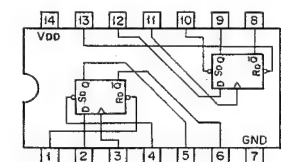
TYPE	VDD
TC74AC20	+2V to +5.5V
OTHER TYPES	+2V to +6V

$$Y = \overline{A \cdot B \cdot C \cdot D} = \overline{A + B + C + D}$$

A	B	C	D	Y
0	0	0	0	1
0	0	0	1	1
0	0	1	0	1
0	0	1	1	1
0	1	0	0	1
0	1	0	1	1
0	1	1	0	1
0	1	1	1	1
1	0	0	0	1
1	0	0	1	1
1	0	1	0	1
1	0	1	1	1
1	1	0	0	1
1	1	0	1	1
1	1	1	0	1
1	1	1	1	1

0; LOW LEVEL
1; HIGH LEVEL

SN74HC74ANS (TI) FLAT PACKAGE
C-MOS DUAL D-TYPE FLIP-FLOPS WITH DIRECT SET/RESET
- TOP VIEW -



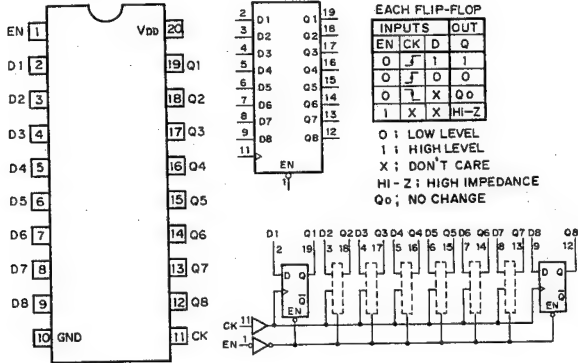
INPUTS	OUTPUTS
S, R, C, D	Q, Q-bar, Q, Q-bar
0	1
1	0
0	1
0	1
1	1
1	1
1	1
1	1

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

NOTE:

TYPE	VDD
TC74HC74AF	+5V
TC74AC74 TYPE	+2 to +5.5V
74ACT74 TYPE	+4.5 to +5.5V
OTHER TYPES	+2 to +6V

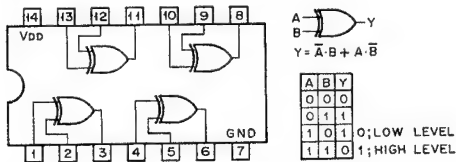
SN74HC574ANS (TI) FLAT PACKAGE
C-MOS 3-STATE D-TYPE EDGE-TRIGGERED FLIP-FLOP
- TOP VIEW -



NOTE:

TYPE	V _{DD}
74AC/74HC	+2 to +6V
74ACT/74HCT	+5V
TC74AC574F	+2 to +5.5V

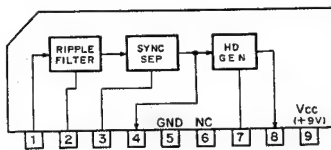
SN74HC86ANS (TI) FLAT PACKAGE
TC74HC86AF (TOSHIBA) FLAT PACKAGE
C-MOS QUAD EXCLUSIVE OR GATES
- TOP VIEW -



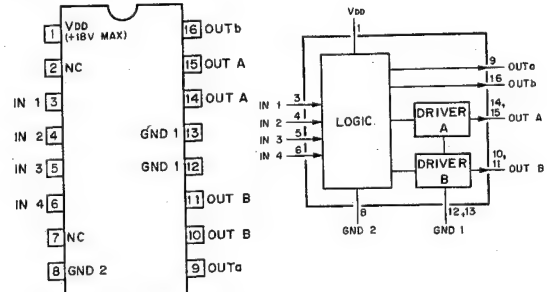
NOTE:

TYPE	V _{DD}
TC74AC86 TYPE	+2 to +5.5V
OTHER TYPES	+2 to +6V

TA7357AP (TOSHIBA)
SYNC SEPARATOR/HD PULSE GENERATOR
- SIDE VIEW -



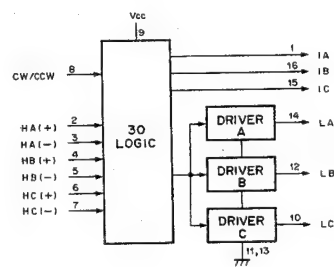
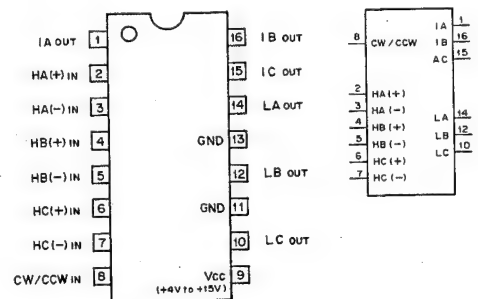
TA7733F (TOSHIBA) FLAT PACKAGE
FUNCTIONABLE BRIDGE DRIVER
- TOP VIEW -



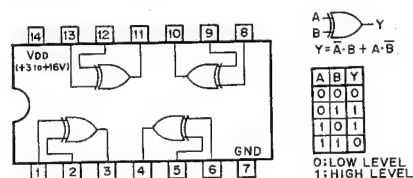
CONTROL	INPUTS				OUTPUTS				MODE
	IN1	IN2	IN3	IN4	OUTA	OUTB	OUTC	OUTD	
2-INPUT CONTROL	1	0	1	1	ON	ON	ON	ON	FWD
	0	1	1	1	ON	ON	ON	ON	REV
	1	1	1	1	ON	ON	ON	ON	STOP
1-INPUT CONTROL	0	0	1	1	ON	ON	ON	ON	A ON
	0	0	0	1	ON	ON	ON	ON	B ON
	X	1	0	1	ON	ON	ON	ON	INHIBIT

0: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE

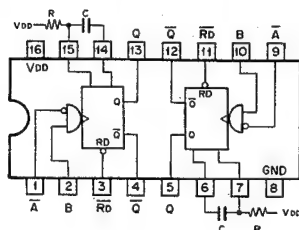
TA7745F (TOSHIBA) FLAT PACKAGE
DC MOTOR DRIVER
- TOP VIEW -



TC4030BFHB (TOSHIBA) FLAT PACKAGE
C-MOS EXCLUSIVE OR GATE
- TOP VIEW -



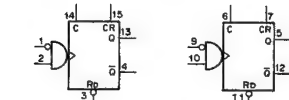
TC74HC123AF (TOSHIBA) FLAT PACKAGE
C-MOS DUAL RETRIGGERABLE MONOSTABLE MULTIVIBRATORS
- TOP VIEW -



INPUT		OUTPUT	
RD	A	Q	Q̄
0	X	X	0
1	1	X	0
1	X	0	0
1	0	1	1
1	1	1	1
1	0	1	1

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

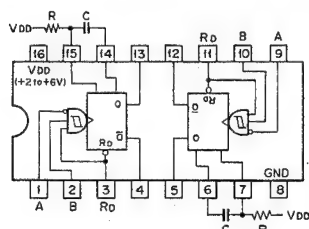
OUTPUT PULSE WIDTH = 0.46CR



NOTE:

TYPE	V _{DD}
TC74HCT123AF	+5V
OTHER TYPES	+2 to +6V

TC74HC221AF (TOSHIBA) FLAT PACKAGE
C-MOS MONOSTABLE MULTIVIBRATOR WITH SCHMITT TRIGGER INPUT
- TOP VIEW -

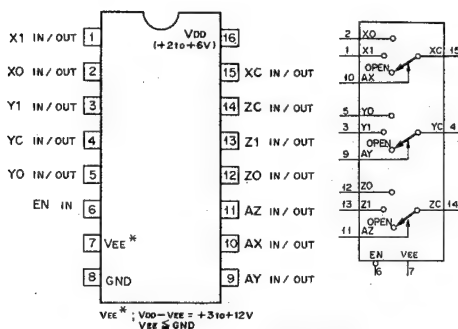


INPUTS		OUTPUTS	
RD	A	Q	Q̄
0	X	X	0
X	1	X	0
X	X	0	0
1	0	1	1
1	1	1	1
1	0	1	1

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

OUTPUT PULSE WIDTH = 0.7CR

TC74HC4053AF (TOSHIBA) FLAT PACKAGE
C-MOS TRIPLE 2-CHANNEL ANALOG MULTIPLEXER/DEMULTIPLEXER
- TOP VIEW -

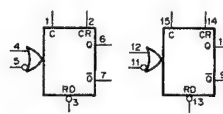
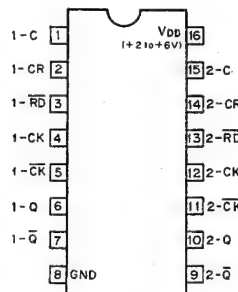


V_{EE} *; V_{DD} - V_{EE} = +3 to +12V
V_{EE} ≤ GND

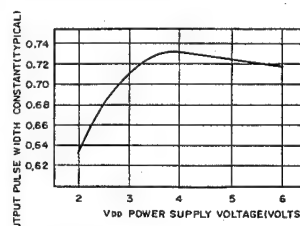
0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE.

CONT. INPUTS	ON CHANNEL
EN	A (X, Y, Z)
0	0
0	1
1	X

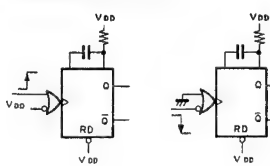
TC74HC4538AF (TOSHIBA) FLAT PACKAGE
C-MOS DUAL RETRIGGERABLE / NON-RETRIGGERABLE MONOSTABLE MULTIVIBRATOR
- TOP VIEW -



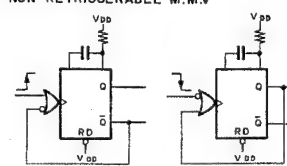
OUTPUT PULSE WIDTH = k · C · R



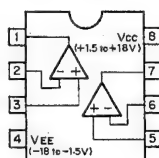
RETRIGGERABLE M.M.V



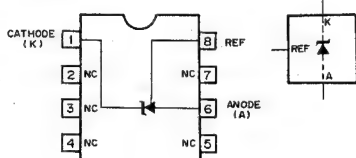
NON-RETRIGGERABLE M.M.V



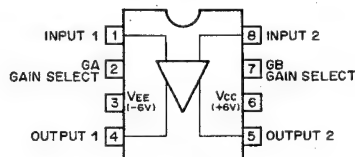
TL082CPS (TI) FLAT PACKAGE
OPERATIONAL AMPLIFIER (JFET INPUT)
- TOP VIEW -



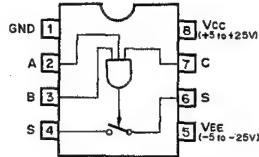
TL431CPS (TI) FLAT PACKAGE
ADJUSTABLE PRECISION SHUNT REGULATOR
- TOP VIEW -



TL592PS (TI) FLAT PACKAGE
DIFFERENTIAL VIDEO AMPLIFIER
- TOP VIEW -



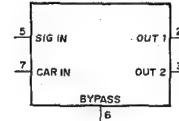
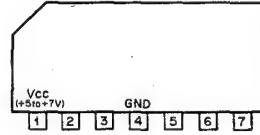
TL610CPS (TI) FLAT PACKAGE
MOS ANALOG SWITCH
- TOP VIEW -



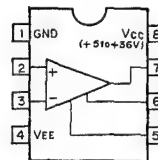
CONT IN				S
A	B	C		
0	X	X	OFF(OPEN)	
X	0	X	OFF(OPEN)	
X	X	0	OFF(OPEN)	
1	1	1	ON(CLOSED)	

0: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE

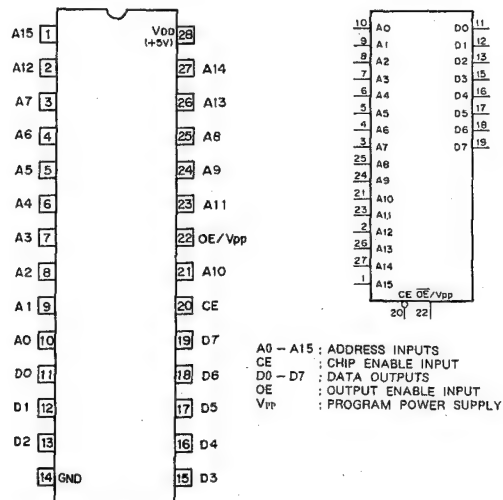
UPC1037HA (NEC)
DOUBLE-BALANCED MODULATOR
- SIDE VIEW -



UPC311G2 (NEC) FLAT PACKAGE
VOLTAGE COMPARATOR
- TOP VIEW -

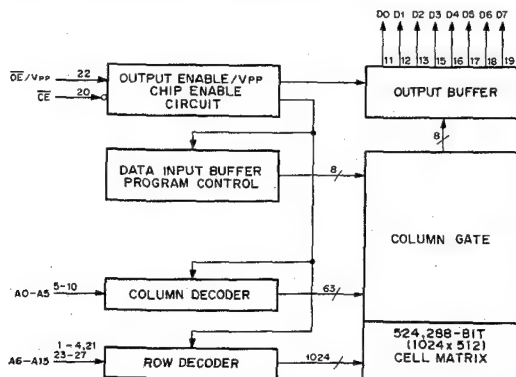


TMS27C512-20JL (TI)
C-MOS 512K (65,536x8 = 524,288)-BIT ERASABLE PROM
- TOP VIEW -

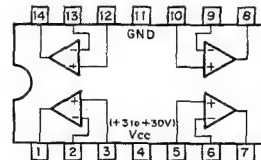


A _n	CE	OE/V _{PP}	V _{DD}	D _n	FUNCTION
A _{IN} 0	0	+5V	D _{OUT}		READ
A _{IN} 0	1	+5V	HI-Z		OUTPUT DISABLE
X	1	X	+5V	HI-Z	STANDBY
A _{IN} 0	+12.5V	+6V	D _{IN}		PGM
A _{IN} 0	0	+6V	D _{OUT}		PGM VERIFY
X	1	+12.5V	+6V	HI-Z	PGM INH

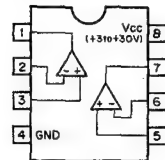
0: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE
HI-Z: HIGH IMPEDANCE



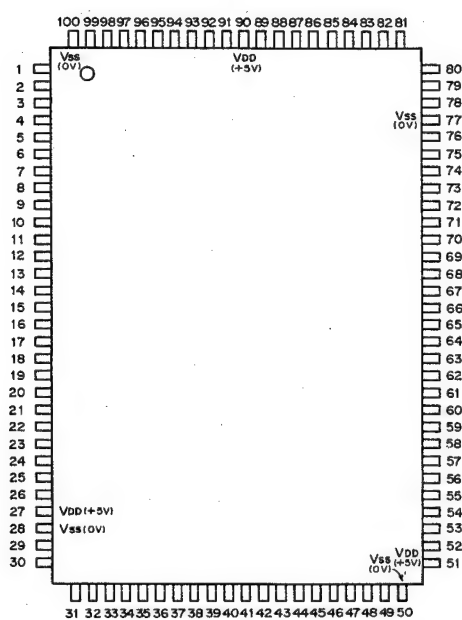
UPC324G2 (NEC) FLAT PACKAGE
QUAD OPERATIONAL AMPLIFIERS
- TOP VIEW -



UPC358G2 (NEC) FLAT PACKAGE
DUAL OPERATIONAL AMPLIFIERS
- TOP VIEW -

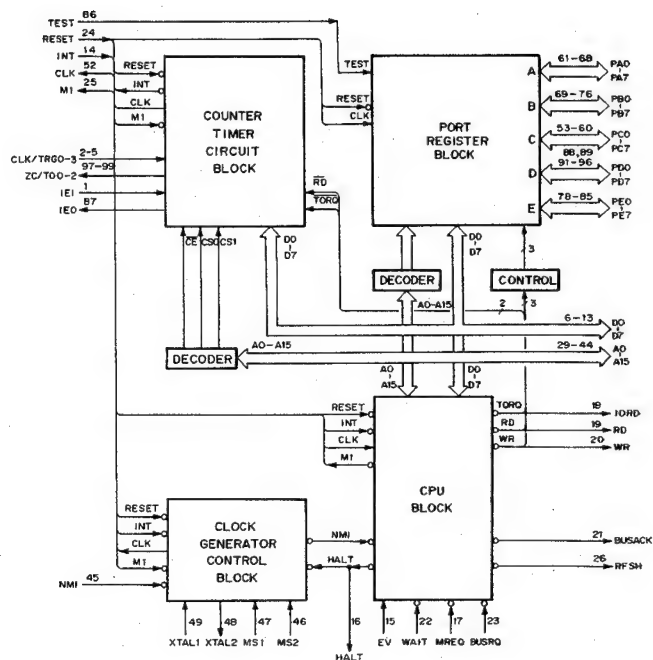


TMPZ84C011BF-6 (TOTHIBA)
C-MOS 8 BIT MICROPROCESSOR
- TOP VIEW -

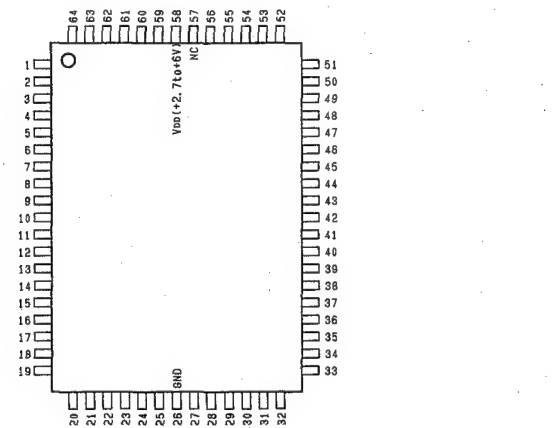


NO.	IN	OUT	SYMBOL	NO.	IN	OUT	SYMBOL
1			IE1	51			Vcc
2			CLK/TRG3	52			CLK
3			CLK/TRG3	53			PC7
4			CLK/TRG1	54			PC6
5			CLK/TRG0	55			PC5
6			D7	56			PC4
7			D6	57			PC3
8			D5	58			PC2
9			D4	59			PC1
10			D3	60			PC0
11			D2	61			PA7
12			D1	62			PA6
13			D0	63			PA5
14			INT	64			PA4
15			EV	65			PA3
16			HALT	66			PA2
17			MREQ	67			PA1
18			IORQ	68			PA0
19			RD	69			PB7
20			WR	70			PB6
21			BUSACK	71			PB5
22			WAIT	72			PB4
23			BUSREQ	73			PB3
24			RESET	74			PB2
25			M1	75			PB1
26			RFSH	76			PB0
27			Vcc	77			Vss
28			Vss	78			PE7
29			A0	79			PE6
30			A1	80			PE5
31			A2	81			PE4
32			A3	82			PE3
33			A4	83			PE2
34			A5	84			PE1
35			A6	85			PE0
36			A7	86			TEST
37			A8	87			IE0
38			A9	88			PD7
39			A10	89			PD6
40			A11	90			Vcc
41			A12	91			PD5
42			A13	92			PD4
43			A14	93			PD3
44			A15	94			PD2
45			NMI	95			PD1
46			MS2	96			PD0
47			MS1	97			ZC/TO2
48			XTAL2	98			ZC/TO1
49			XTAL1	99			ZC/TO0
50			Vss	100			Vss

58	PA0	A0	29	A0-A15	3-STATE ADDRESS BUS OUTPUTS
57	PA1	A1	30	BUSACK	BUS ACKNOWLEDGE OUTPUT
56	PA2	A2	31	BUSREQ	BUS REQUEST INPUT
55	PA3	A3	32	CLK	CLOCK OUTPUT
54	PA4	A4	33	CLK/TRG0-3	EXTERNAL CLOCK / TIMER TRIGGER0-3 INPUTS
53	PA5	A5	34	DO-D7	3-STATE DATA BUS INPUTS/OUTPUTS
52	PA6	A6	35	EV	EVALUATOR INPUT
51	PA7	A7	36	HALT	HALT OUTPUT
50	PB0	A8	37	IE1/IE0	CTC INTERRUPT ENABLE INPUT/OUTPUT
49	PB1	A9	38	INT	MASKABLE INTERRUPT REQUEST INPUT
48	PB2	A10	39	IORQ	3-STATE I/O REQUEST OUTPUT
47	PB3	A11	40	M1	3-STATE MACHINE CYCLE 1 OUTPUT
46	PB4	A12	41	MREQ	3-STATE REQUEST OUTPUT
45	PB5	A13	42	MS1/MS2	MODE SELECT 1/2 INPUTS
44	PB6	A14	43	NMI	NON-MASKABLE INTERRUPT REQUEST INPUT
43	PB7	A15	44	PA0-PA7	3-STATE I/O PORT
42	PC0	D0	45	PB0-PB7	
41	PC1	D1	46	PC0-PC7	
40	PC2	D2	47	PB0-PB7	
39	PC3	D3	48	RD	3-STATE READ OUTPUT
38	PC4	D4	49	RESET	RESET INPUT
37	PC5	D5	50	RFSH	REFRESH OUTPUT
36	PC6	D6	51	TEST	TEST INPUT
35	PC7	D7	52	WAIT	WAIT REQUEST INPUT
34	PD0		53	WR	3-STATE WRITE OUTPUT
33	PD1	CLK	54	ZC/TO0-2	ZERO COUNT/TIME OUT 0-2 OUTPUTS
32	PD2		55		
31	PD3	IORQ	56		
30	PD4	RD	57		
29	PD5	WR	58		
28	PD6	BUSACK	59		
27	PD7	RFSH	60		
26	PE0	HALT	61		
25	PE1	EV	62		
24	PE2	MREQ	63		
23	PE3	WAIT	64		
22	PE4	BUS REQ	65		
21	PE5	TEST	66		
20	PE6		67		
19	PE7		68		
18			69		
17			70		
16			71		
15			72		
14			73		
13			74		
12			75		
11			76		
10			77		
9			78		
8			79		
7			80		
6			81		
5			82		
4			83		
3			84		
2			85		
1			86		
0			87		
			88		
			89		
			90		
			91		
			92		
			93		
			94		
			95		
			96		
			97		
			98		
			99		
			100		

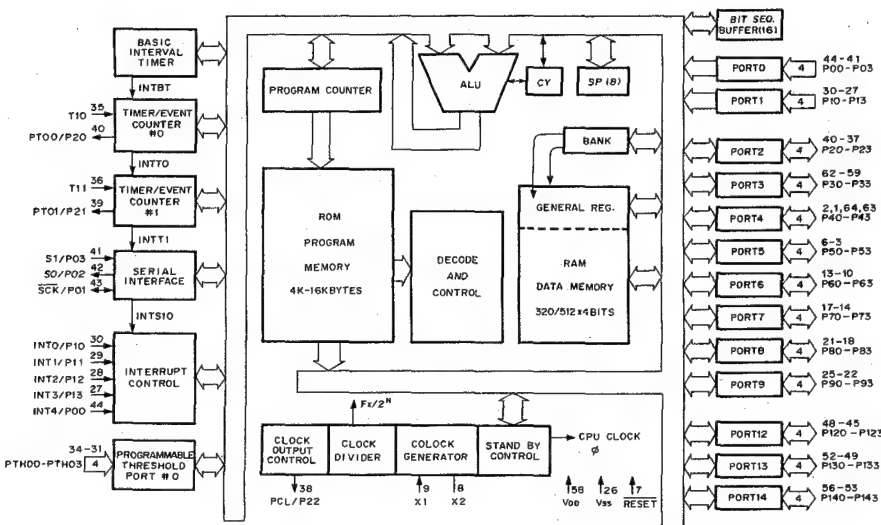
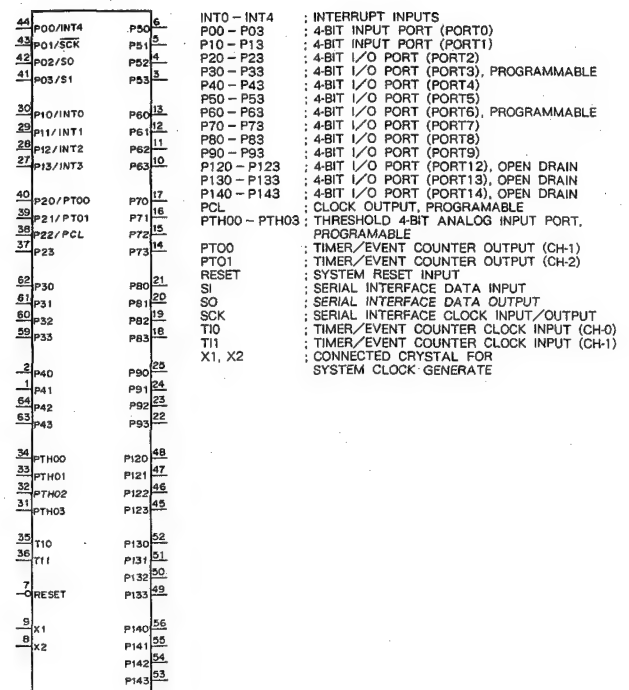


UPD75108G (NEC)
 UPD75108G (NEC)
 C-MOS 1 CHIP 4-BIT MICROCOMPUTER
 - TOP VIEW -

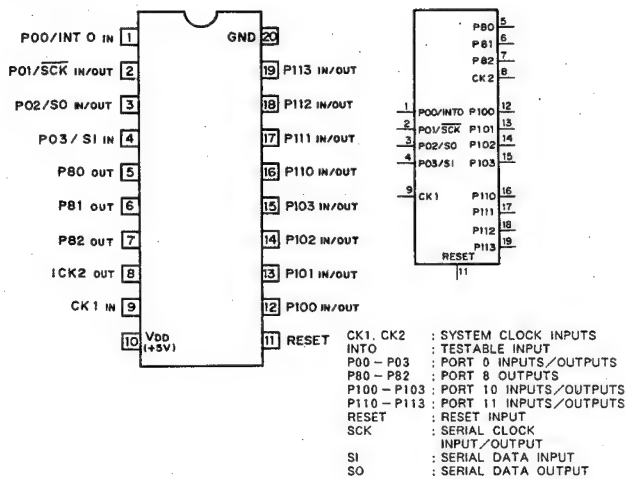


VDD = (+2.7 to 6V)

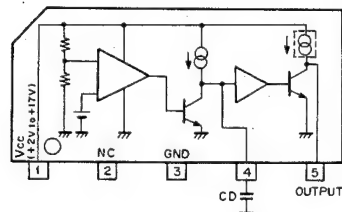
Pin No	I/O	SIGNAL	Pin No	I/O	SIGNAL	Pin No	I/O	SIGNAL	Pin No	I/O	SIGNAL
1	I/O	P41	17	I/O	P70	33	I	PTH01	49	I/O	P133
2	I/O	P40	18	I/O	P69	34	I	PTH00	50	I/O	P132
3	I/O	P53	19	I/O	P82	35	I	T10	51	I/O	P131
4	I/O	P52	20	I/O	P81	36	I	T11	52	I/O	P130
5	I/O	P51	21	I/O	P80	37	I/O	P23	53	I/O	P143
6	I/O	P50	22	I/O	P93	38	I/O	P22/PCL	54	I/O	P142
7	I	RESET	23	I/O	P92	39	I/O	P21/PT01	55	I/O	P141
8	I	X2	24	I/O	P91	40	I/O	P20/PT00	56	I/O	P140
9	I	X1	25	I/O	P90	41	I	P03/S1	57	-	NC
10	I/O	P63	26	-	GND	42	I/O	P02/S0	58	-	VDD
11	I/O	P62	27	I	P13/INT3	43	I/O	P01/SCK	59	I/O	P33
12	I/O	P61	28	I	P12/INT2	44	I	P00/INT4	60	I/O	P32
13	I/O	P60	29	I	P11/INT1	45	I/O	P123	61	I/O	P31
14	I/O	P73	30	I	P10/INT0	46	I/O	P122	62	I/O	P30
15	I/O	P72	31	I	PTH03	47	I/O	P121	63	I/O	P43
16	I/O	P71	32	I	PTH02	48	I/O	P120	64	I/O	P42



UPD7564CS (NEC)
C-MOS SINGLE CHIP 4-BIT MICROCOMPUTER
- TOP VIEW -

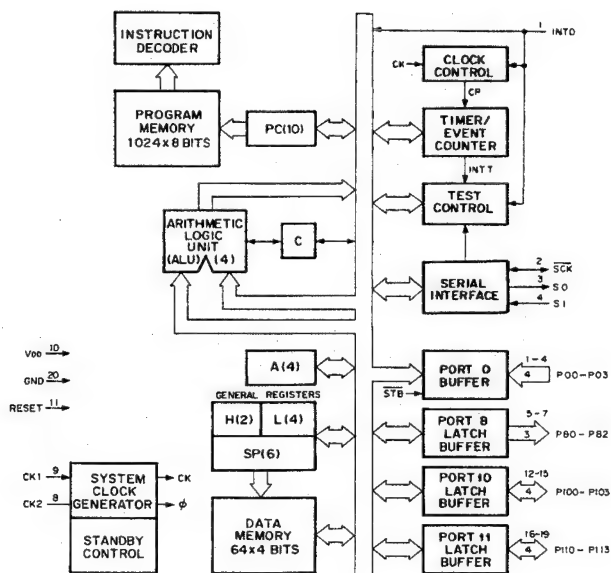
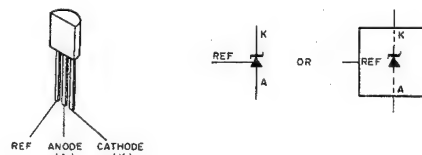


M51953BL (MITSUBISHI)
POWER RESET
- SIDE VIEW -

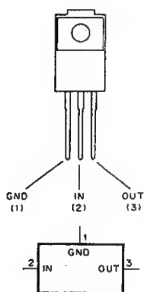


TYPE	RESET POLARITY	OUTPUT CIRCUIT
M51953AL	LOW	WITH CURRENT SOURCE
M51953BL	LOW	OPEN COLLECTOR
M51954AL	HIGH	WITH CURRENT SOURCE
M51954BL	HIGH	OPEN COLLECTOR

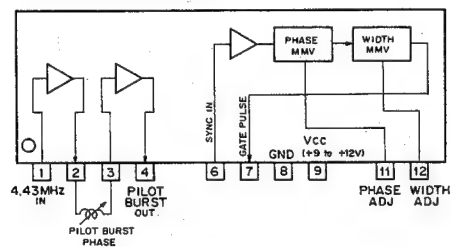
TL431CLP (TI)
ADJUSTABLE PRECISION SHUNT REGULATOR



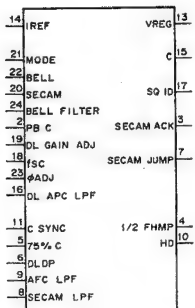
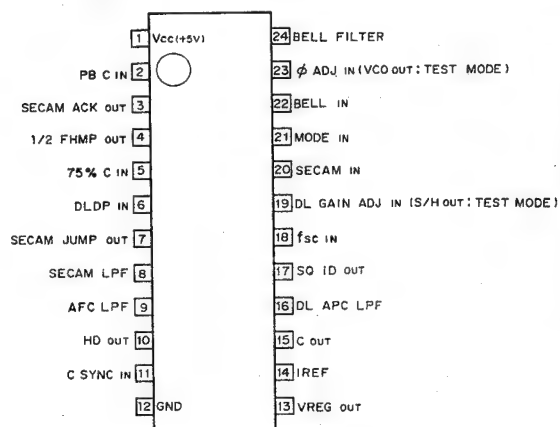
M5F7905L (MITSUBISHI) -5V
NEGATIVE VOLTAGE REGULATOR (1A)
- PRINTED SIDE VIEW -



BX1262 (SONY)
BX1262L (ROHM)
PILOT BURST INSERTER
- PRINTED SIDE VIEW -



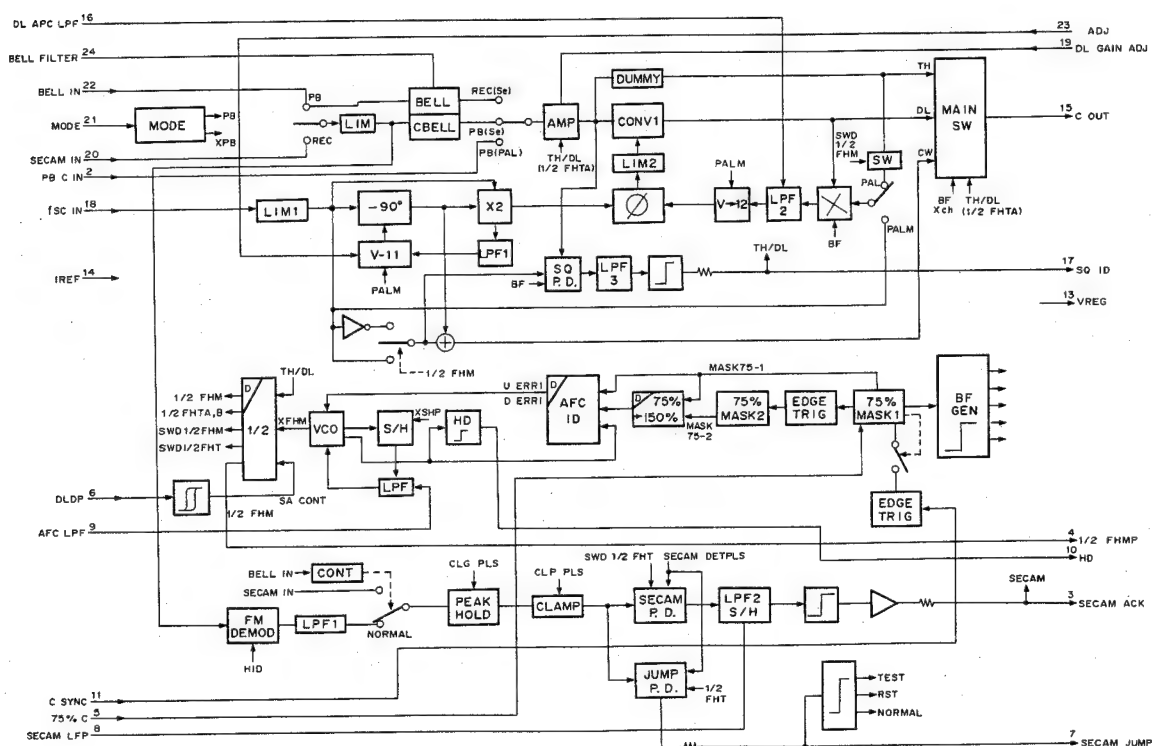
CXA1203N (SONY) FLAT PACKAGE
COLOR ALIGNMENT CORRECTOR FOR JOG (PAL)
- TOP VIEW -



INPUT
BELL : SECAM SIGNAL INPUT
C SYNC : COMPOSITE SYNC
DLDP : SELECT POLARITY OF 1/2 FIT PULSE
DL GAIN ADJ : GAIN ADJUST OF DL SIGNAL
(TEST MODE: S/H SERCUIT OUTPUT)
fsc : fsc INPUT
MODE : MODE (REC/PB/JOG) SELECT
PB C : PB CHROMA SIGNAL (PAL)
SECAM : SECAM DETECTOR
75% C : CONNECT CAPACITOR FOR CHARGE DISCHARGE
φ ADJ : DC INPUT FOR BURST PHASE ADJUST
(TEST MODE: VCO OUTPUT)

OUTPUT
C : PB SIGNAL OUTPUT
HD : HD PULSE
SECAM ACK : SECAM DETECTOR
SECAM JUMP : SELECT POLARITY OF 1/2 FHT PULSE
SQ ID : SQ DETECTOR
VREG : REFERENCE VOLTAGE
1/2 FHMP : 1/2 FREQUENCY DIVIDE PULSE AFC

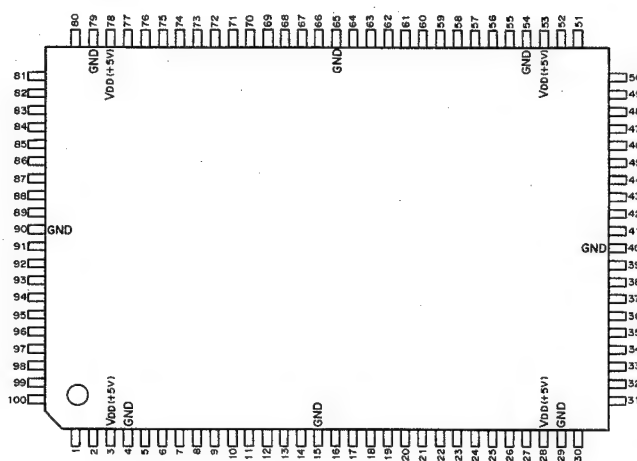
OTHERS
AFC LPF : CONNECT TIME COUNSTANT OF LPF FOR AFC
BELL FILTER : CONNECT TIME COUNSTANT FOR BELL, BELL FILTER
DL APC LPF : CONNECT TIME COUNSTANT
IREF : CONNECT REFERENCE RESISTOR
SECAM LPF : CONNECT TIME COUNSTANT OF LPF FOR SECAM DETECTOR



CXD8369AQ (FUJITSU)

C-MOS PCM AUDIO DATA TIMING CONTROLLER

- TOP VIEW -



(V_{DD} = +5 V)

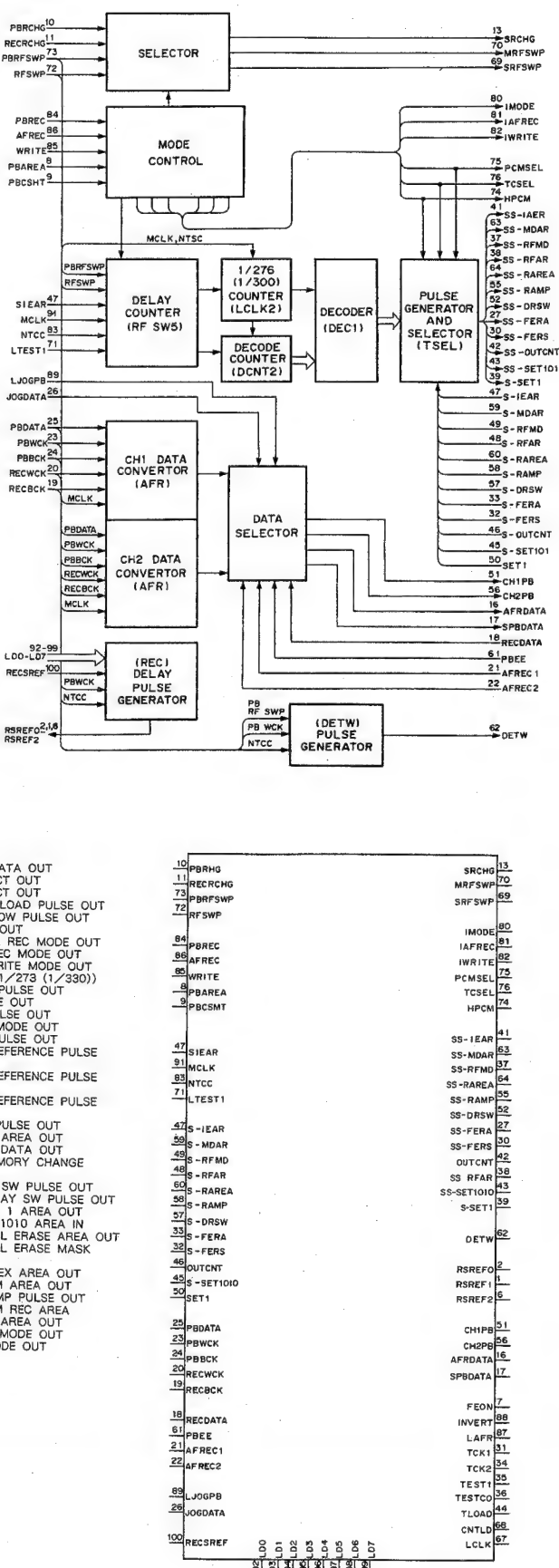
PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	O	RSREF1	26	I	JOCDATA	51	O	CHIPB	76	O	TCSEL
2	O	RSREF0	27	O	SSFERA	52	O	SSDRSW	77	O	MODE
3	-	V _{DD}	28	-	V _{DD}	53	-	V _{DD}	78	-	V _{DD}
4	-	GND	29	-	GND	54	-	GND	79	-	GND
5	O	SMFEON	30	O	SSFERS	55	O	SSRAMP	80	O	IMODE
6	O	RSREF2	31	I	TCK1	56	O	CH2PB	81	O	IAFREC
7	I	FEON	32	I	SPERS	57	I	SDRSW	82	O	IWRITE
8	I	PBAREA	33	I	SPERA	58	I	SRAMP	83	I	NTCC
9	I	PBCSMT	34	I	TCK2	59	I	SMDAR	84	I	PBREC
10	I	PBRCHG	35	I	TEST1	60	I	SRAREA	85	I	WRITE
11	I	RECRCHG	36	I	TESTCO	61	I	PBEE	86	I	AFREC
12	I	TRST	37	O	SSRFMD	62	O	DETW	87	I	LAFR
13	O	SRCHG	38	O	SSRFAR	63	O	SSMDAR	88	I	INVERT
14	O	LCLK	39	O	SSET1	64	O	SSRAREA	89	I	LJOBPB
15	-	GND	40	-	GND	65	-	GND	90	-	GND
16	O	AFRDATA	41	O	SSIEAR	66	O	RECRFSWP	91	I	MCLK
17	O	SPBDATA	42	O	SOUTCNT	67	O	LCLKST	92	I	LD00
18	I	RECDATA	43	O	SSET101	68	O	CNTLD	93	I	LD01
19	I	RECBCK	44	I	TLOAD	69	O	SRFSWP	94	I	LD02
20	I	RECWCK	45	I	SET1010	70	O	MRFSWP	95	I	LD03
21	I	AFREC1	46	I	OUTCNT	71	I	LTEST1	96	I	LD04
22	I	AFREC2	47	I	SIEAR	72	I	RFSWP	97	I	LD05
23	I	PBWCK	48	I	SRFAR	73	I	PBRFSWP	98	I	LD06
24	I	PBCK	49	I	SPFMD	74	O	HPCM	99	I	LD07
25	I	PBDATA	50	I	SET1	75	O	PCMSEL	100	I	RECSREF

INPUT

AFREC : AFTER REC MODE IN
 AFREC1 : AFTER REC MODE 1
 AFREC2 : AFTER REC MODE 2
 FEON : FULL ERASE ON MODE IN
 JOCDATA : PB/REC INVERT IN
 LAFR : AFTER RED TEST MODE IN
 LD00 TO LD07 : RECS REF TO 2 DELAY DATA IN
 LJOBPB : JOG MODE IN
 LTEST1 : DELAY TEST MODE IN
 MCLK : MASTER CLOCK IN
 NTCC : NTSC/PAL MODE IN
 OUTCNT : TC AREA IN
 PBAREA : PB PCM AREA IN
 PBCK : PB DATA LATCH CLOCK IN
 PBCSMT : PB PCM ERROR DETECT PULSE IN
 PBDATA : PB DATA IN
 PBEE : PB/EE SELECT IN
 PBRCHG : PB MEMORY CHANGE PULSE IN
 PBREC : PB/REC MODE IN
 PBRFSWP : PB RF SW PULSE IN
 PBWCK : PB DATA CH1/2 CLOCK IN
 RECBCK : REC DATA LATCH CLOCK IN
 RECDATA : REC DATA IN
 RECRCHG : REC MEMORY CHANGE PULSE IN
 RECSREF : REC SERVO REFERENCE IN
 RECWCK : REC DATA CH1/2 CLOCK IN
 RFSWP : RF SW PULSE IN
 SDRSW : DELAY SW PULSE IN
 SET1 : SET 1 AREA IN
 SET1010 : SET1010 AREA IN
 SPERA : FULL ERASE AREA IN
 SFERS : FULL ERASE MASK AREA IN
 SIEAR : INDEX AREA IN
 SMDAR : PCM AREA IN
 SRAMP : RAMP PULSE IN
 SRAREA : PCM REC AREA IN
 SRFAR : RF AREA IN
 SRFMD : RF MODE IN
 TCK1 : TEST CLOCK 1 IN
 TCK2 : TEST CLOCK 2 IN
 TESTCO : TEST MODE CARRY IN
 TEST1 : TEST MODE 1 IN
 TLOAD : TEST MODE LOAD IN
 TRST : RESET
 WRITE : TC WRITE MODE IN

OUTPUT

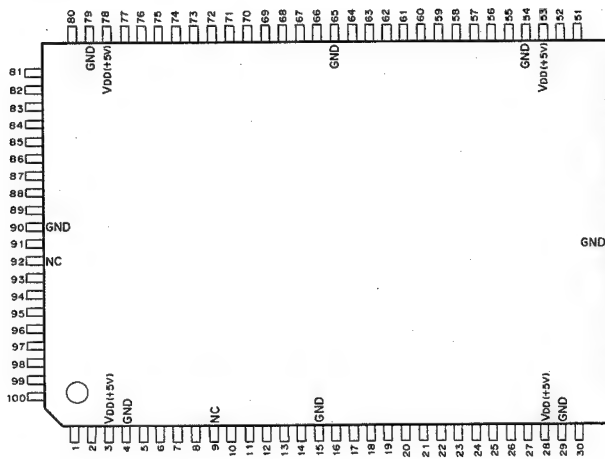
AFRDATA : AFTER REC DATA OUT
 CHIPB : CH1 PB SELECT OUT
 CH2PB : CH2 PB SELECT OUT
 CNTLD : LCLK COUNT LOAD PULSE OUT
 DETW : DETECT WINDOW PULSE OUT
 HPCM : PCM DETECT OUT
 IAFREC : INSERT AFTER REC MODE OUT
 IMODE : INSERT PB/REC MODE OUT
 IWRITE : INSERT TC WRITE MODE OUT
 LCLK : LOW CLOCK (1/273 (1/330))
 LCLKST : LCLK START PULSE OUT
 MODE : PB/REC MODE OUT
 MRFSWP : TC RF SW PULSE OUT
 PCMSEL : PCM INSERT MODE OUT
 RECRFSWP : REC RF SW PULSE OUT
 RSREF0 : REC SERVO REFERENCE PULSE 0 OUT
 RSREF1 : REC SERVO REFERENCE PULSE 1 OUT
 RSREF2 : REC SERVO REFERENCE PULSE 2 OUT
 SMFEON : FULL ERASE PULSE OUT
 SOUTCNT : SELECTED TC AREA OUT
 SPBDATA : SELECTED PB DATA OUT
 SRCHG : SELECTED MEMORY CHANGE PULSE OUT
 SRFARP : SELECTOR RF SW PULSE OUT
 SSRAMP : SELECTED DELAY SW PULSE OUT
 SSET1 : SELECTED SET 1 AREA OUT
 SSET101 : SELECTED SET1010 AREA IN
 SSFERA : SELECTED FULL ERASE AREA OUT
 SSFERS : SELECTED FULL ERASE MASK AREA OUT
 SSIEAR : SELECTED INDEX AREA OUT
 SSMDAR : SELECTED PCM AREA OUT
 SSRAMP : SELECTED RAMP PULSE OUT
 SSRAREA : SELECTED PCM REC AREA
 SSRFAR : SELECTOR RF AREA OUT
 SSRFMD : SELECTED RF MODE OUT
 TCSEL : TC INSERT MODE OUT



CXD8370Q (SONY)

CMOS PCM DATA JOG MODE PROCESSOR

- TOP VIEW -



(V_{DD} = +5 V)

PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL	PIN No.	I/O	SIGNAL
1	O	FL1	36	I/O	DATA6	71	I	PBRFSWP
2	O	FL2	37	I/O	DATA7	72	I	PBAREA
3	-	V _{DD}	38	I/O	DATA8	73	I	PBWCK
4	-	GND	39	I/O	DATA9	74	I	SRSW1
5	O	LJOG	40	-	GND	75	O	HSERCH
6	O	LSTOP	41	O	ADR11	76	I	LPB
7	O	HNORM	42	O	ADR10	77	I	SRSW2
8	O	HJOG	43	O	ADR9	78	-	V _{DD}
9	-	NC	44	O	ADR8	79	-	GND
10	I	RESET	45	O	ADR7	80	O	SP7
11	O	ERDN1	46	O	ADR6	81	O	SP6
12	O	ERBD1	47	O	ADR5	82	O	SP5
13	O	ERDN2	48	O	ADR4	83	O	SP4
14	O	ERBD2	49	O	ADR3	84	O	SP3
15	-	GND	50	O	ADR2	85	O	SP2
16	O	WREN1	51	O	ADR1	86	O	SP1
17	O	WREN2	52	O	ADR0	87	O	SP0
18	I	TI	53	-	V _{DD}	88	O	FGSP1
19	O	TO	54	-	GND	89	O	FGSP2
20	I	TA	55	O	LOAD0	90	-	GND
21	I	TB	56	I	LOAD1	91	I	MCLK
22	I	ADRSEL	57	O	SOUT	92	-	NC
23	I	DTSEL	58	I	SINP	93	I	CAPFG
24	O	ADRSELO	59	I	UPDN	94	I	LFGSEL
25	O	SHLD	60	I	PBBCK	95	I	LEXJOG
26	O	RDCK	61	I	PBRCHG	96	I	IHJOG
27	O	WRCK	62	O	RDLD	97	I	HFGSH
28	-	V _{DD}	63	O	MEM1RD	98	I	SDATA
29	-	GND	64	O	MEM1WR	99	I	SCLK
30	I/O	DATA0	65	-	GND	100	I	SCS
31	I/O	DATA1	66	O	MEM2WR	101		
32	I/O	DATA2	67	O	MEM2RD	102		
33	I/O	DATA3	68	O	MEM2RD	103		
34	I/O	DATA4	69	I	NTCC	104		
35	I/O	DATA5	70	I	PBCSMT	105		

INPUT

ADRSEL : ADDRESS SELECTOR (CONNECTED ADRSELO)

CAPFG : CAPSTAN FG

DTSEL : DATA SELECTOR (CONNECTED ADRSELO)

HFGSH : TAPE SPEED MODE SELECT

IHJOG : TAPE SPEED MODE SELECT

LEXJOG : TAPE SPEED MODE SELECT

LFGSEL : TAPE SPEED MODE SELECT

LOAD1 : START POINT OF WRITE DATA

LPB : L : DATA THROUGH

MCLK : MASTER CLOCK IN

NTCC : H : NTSC L : PAL

PBAREA : PCM AREA

PBBCK : DATA LATCH CLOCK

PBCSMT : PCM ERRORRATE

PBRCHG : MEMORY SELECT

PBRFSWP : PB SWITCHING PULSE

PBWCK : PCM DATA CLOCK

RESET : L : RESET (NORMALLY OPEN)

SCS : SERIAL DATA IN FROM SYSTEM CONTROL

SDATA : SERIAL DATA IN FROM SYSTEM CONTROL

SINP : PCM PB DATA IN

SRSW : CONNECTS TO HSERCH

SRSW2 : CONNECTED TO HJOG

UPDN : TAPE DIRECTION, H : FORWARD L : REVERSE

OUTPUT

ADRSELO : MEMORY WR/RD SELECT

ADR0 - ADR11 : TO MEMORY ADDRESS LINE

FL1, FL2 : LFP ON/OFF, L : ON

HJOG : H : JOG MODE

HNORM : H : NORMAL PB

HSERCH : H : CAPFG IS MORE THAN X2 SPEEDS

LJOG : L : JOG SEARCH MODE

LOAD0 : START POINT OF WRITE DATA

LSTOP : L : STOP

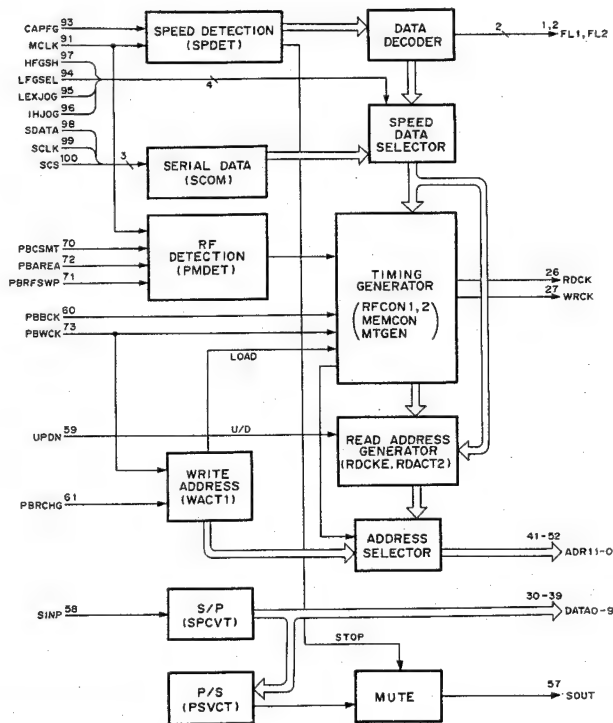
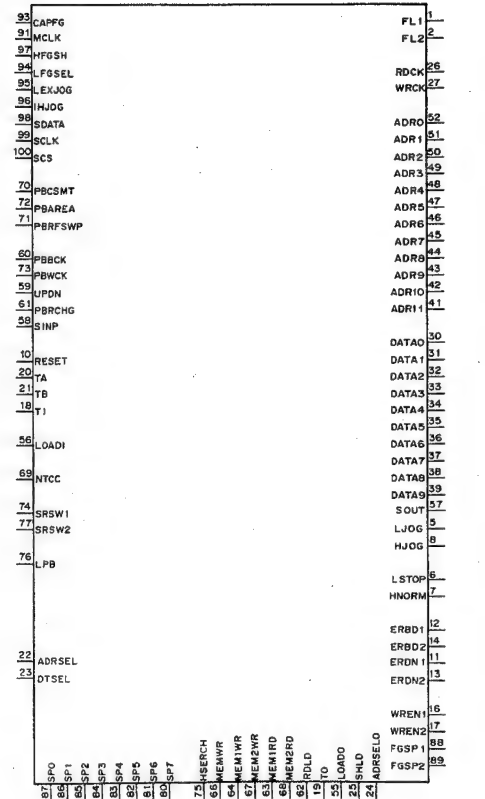
RDCK : MEMORY READ CLOCK

SOUT : JOG DATA OUT

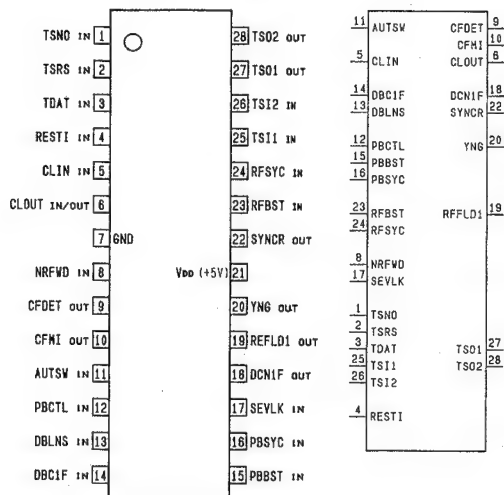
WRCK : MEMORY WRITE CLOCK

INPUT/OUTPUT

DATA0 - DATA9 : TO MEMORY DATA LINE



CXD8371M (SONY) FLAT PACKAGE
C-MOS COLOR FRAMING
- TOP VIEW -



INPUT

AUTSW : AUTO MODE SWITCH
CLIN : CLOCK IN
DBC1F : REF SIDE 1ST FIELD OR DUB CONNECT 1ST FIELD
DBLNS : DUB CONNECTOR/LINE SELECT
NRFWD : NORMAL FORWARD
PBBST : PB SIDE BURST PULSE
PBCTL : PB SIDE CTL SIGNAL
PBSYC : PB SIDE COMPOSITE SYNC
RESTI : RESET IN
RFBST : REF SIDE 135° BURST
RFSYC : REF SIDE COMPOSITE SYNC
SEVLK : SERVO LOCK AND PB SIDE DET RESET
TDAT : TEST IN
TSI1,2 : TEST IN
TSNO : TEST IN
TSRS : TEST IN

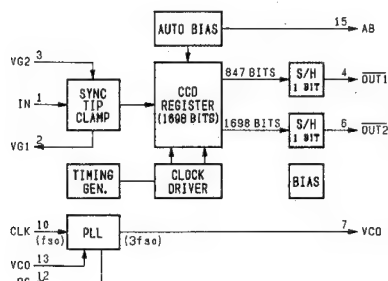
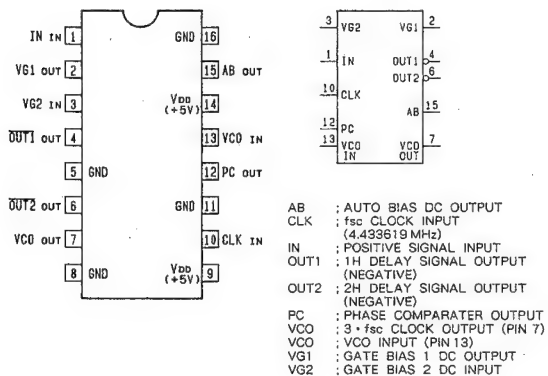
OUTPUT

CFDET : COLER FRAMING DETECT
CFMI : COLER FRAMING DETECT (LATCH OUT)
DCNIF : PB SIDE 1ST FIELD OR DUB CONNECT 1ST FIELD
REFLD1 : REF SIDE 1ST FIELD
SYNCR : SYNCRO COMMAND
TSO1,2 : TEST OUT
YNG : PB SIDE Y FRAMING DETECT

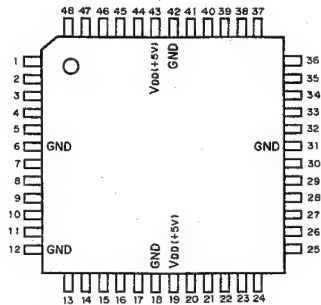
INPUT/OUTPUT

CLOUT : CLOCK IN/OUT

CXL1506M (SONY) FLAT PACKAGE
C-MOS CCD 1H/2H DELAY LINE FOR PAL VIDEO SYSTEM
- TOP VIEW -



MB87647 (FUJITSU) FLAT PACKAGE

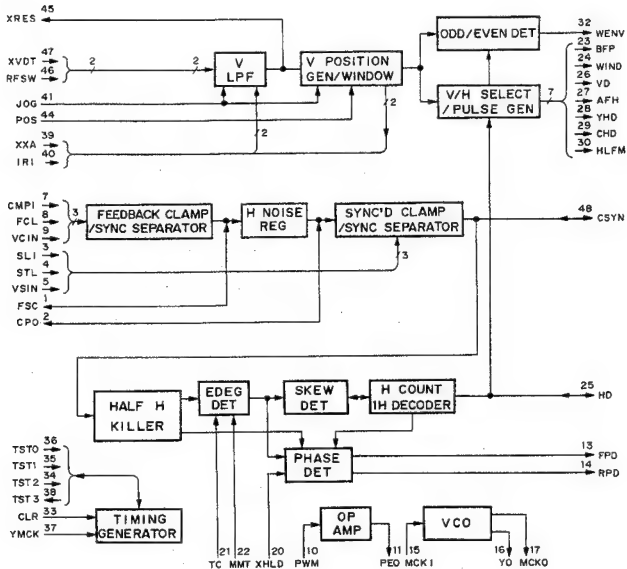
C-MOS AUTOMATIC FREQUENCY CONTROL (AFC) / SYNC SEPARATOR
- TOP VIEW -

PIN ASSIGNMENT

(V_{DD} = +5V)

PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL	PIN NO.	I/O	SYMBOL
1	I/O	FCS	13	O	FPD	25	O	HD	37	I	YMCK
2	I/O	CPO	14	O	RPD	26	O	VD	38	O	TST3
3	I	SLI	15	I	MCKI	27	O	AFH	39	I/O	XXA
4	I	STL	16	O	YO	28	O	YHD	40	I/O	IR1
5	I	VSIN	17	O	MCKO	29	O	CHD	41	I	JOG
6	-	GND	18	-	GND	30	O	HLFH	42	-	GND
7	I	CMPI	19	-	V _{DD}	31	-	GND	43	-	V _{DD}
8	I	FCL	20	I	XHLD	32	O	WEVN	44	I	POS
9	I	VCIN	21	O	TC	33	I	CLR	45	O	XRES
10	I	PWM	22	I	MMT	34	I	TST2	46	I	RFSW
11	O	PEO	23	O	BFP	35	I	TST1	47	I	XVDT
12	-	GND	24	O	WIND	36	I	TST0	48	O	CSYN

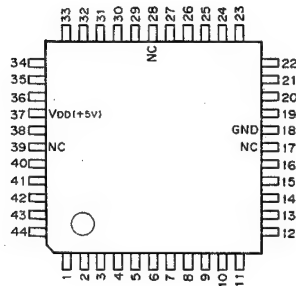
9	VCIN	CSYN	48	INPUT	CLR	: DIRECT CLEAR INPUT
8	FCL	FSC	1	CMPI	: FEED BACK CLAMP SLICE LEVEL INPUT	
7	CMPI	CPO	2	JOG	: FEED BACK CLAMP SYNC CHIP LEVEL INPUT	
6	VSIN	MCKI			: REFERENCE CONTROL INPUT	
5	STL	MMT			: CLOCK (VCO) INVERTER INPUT	
4	SLI	POS			: MONO MULTI TEST PIN (H: NORMAL) INPUT	
3	SLI	PWM			: PHASE REFERENCE SELECT	
20	XHLD	HD	25	PWM	: OP AMP INPUT	
21	TC	FPD	13	RFSW	: RF SW PULSE INPUT	
22	MMT	RPD	14	SLI	: SYNC CLAMP SLICE LEVEL INPUT	
		PWM	10	STL	: SYNC CLAMP SYNC CHIP LEVEL INPUT	
		FPD	11	TST0	: L: NORMAL/H: TEST MODE INPUT	
		MCKI	15	TST1, 2	: AFC LOCK PHASE COARSE ADJUST INPUTS	
		YO	16	VCIN	: FEED BACK CLAMP VIDEO INPUT	
		MCKO	17	VSIN	: SYNC CLAMP VIDEO INPUT	
		CLR	33	XHLD	: H: AFC ERROR ACTIVE/L: AFC ERROR HOLD INPUT	
		BFP	37	XVDT	: V DETECT COMPOSITE SYNC INPUT	
		YMCK	36	YO	: MASTER CLOCK INPUT	
		TST0	35	YMCK		
		TST1	34			
		TST2	33	OUTPUT		
		TST3	38	AFH	: AFC H DRIVE OUTPUT	
		WENV	32	BFP	: BURST FLAG PULSE OUTPUT	
		BFP	23	CHD	: H SYNC OUTPUT FOR BURST DETECT	
		RFSW	24	FPD	: AFC SUB LOOP PHASE ERROR OUTPUT	
		JOG	25	HLFH	: 1/2f _H (≈ 7.5 kHz) OUTPUT	
		POS	26	MCKO	: CLOCK (VCO) INVERTER OUTPUT (910f _H)	
		XXA	27	PEO	: OP AMP OUTPUT	
		IR1	28	RPD	: AFC MAIN LOOP PHASE ERROR OUTPUT	
		XRES	29	VD	: L: NORMAL, H: TEST MODE OUTPUT	
		HLFH	30	WEVN	: VERTICAL SYNC DETECT OUTPUT	
				WIND	: WRITE EVEN/ODD FIELD DETECT OUTPUT	
				XRES	: WINDOW COMPARATOR OUTPUT FOR V-PLL	
				YO	: V DETECT LPF OUTPUT	
				YHD	: CLOCK (VCO) INVERT OUTPUT	
					: PEDESTAL CLAMP TIMING OUTPUT	
				INPUT/OUTPUT		
				CPO	: CLAMP PULSE INPUT/OUTPUT	
				CSYN	: CLAMP SYNC SEPARATE INPUT/OUTPUT	
				FCS	: FEED BACK CLAMP SYNC SEPARATE INPUT/OUTPUT	
				HD	: AFC H DIRECT INPUT/OUTPUT	
				IR1	: MONITOR PIN FOR TEST INPUT/OUTPUT	
				TC	: AFC LOCK PHASE FINE ADJUST INPUT/OUTPUT	
				XXA	: MONITOR PIN FOR TEST INPUT/OUTPUT	



Z84C4306FEC (ZILOG)

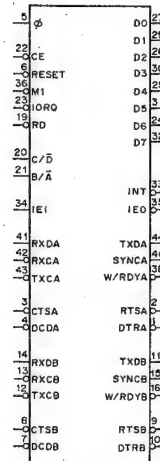
CMOS SERIAL INPUT/OUTPUT CONTROLLER

- TOP VIEW -



(VDD = +5 V)

PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL	PIN NO.	I/O	SIGNAL
1	O	DTRA	16	O	W/RDYB	31	I/O	D5
2	O	RTSA	17	-	NC	32	I/O	D7
3	I	CTSA	18	-	GND	33	O	INT
4	I	DCDA	19	I	RD	34	I	IEI
5	I	Ø	20	I	C/D	35	O	IEO
6	I	RESET	21	I	B/A	36	I	M1
7	I	DCDB	22	I	CE	37	-	VDD
8	I	CTSB	23	I/O	IORQ	38	O	W/RDYA
9	O	RTSB	24	I/O	D6	39	-	NC
10	O	DTRB	25	I/O	D4	40	I/O	SYNCA
11	O	TXDB	26	I/O	D2	41	I	RXDA
12	I	TXCB	27	I/O	D0	42	I	RXCA
13	I	RXCB	28	-	NC	43	I	TXCA
14	I	RXDB	29	I/O	D1	44	O	TXDA
15	I/O	SYNCB	30	I/O	D3			



INPUT

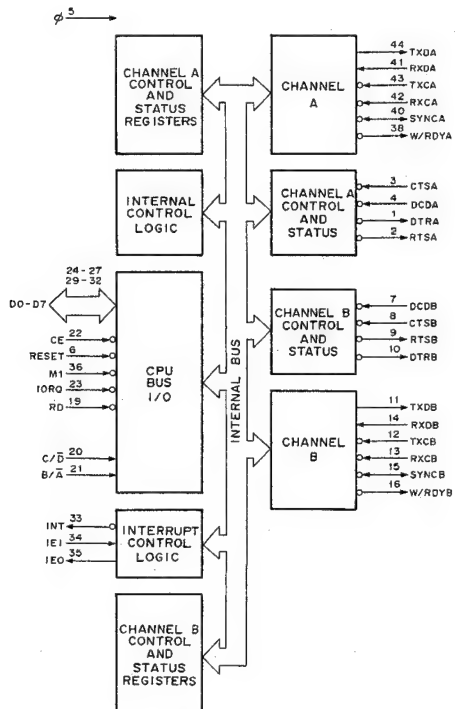
Ø : SYSTEM CLOCK
B/A : CHANNEL A OR B SELECT
C/D : CONTROL OR DATA SELECT
CE : CHIP ENABLE
CTSA : CLEAR TO SEND A
CTSB : CLEAR TO SEND B
DCDA : DATA CARRIER DETECT A
DCDB : DATA CARRIER DETECT B
IEI : INTERRUPT ENABLE INPUT
M1 : MACHINE CYCLE ONE
RD : READ CYCLE STATUS
RESET : RESET
RXCA : RECEIVER CLOCKS A
RXCB : RECEIVER CLOCKS B
RXDA : RECEIVE DATA A
RXDB : RECEIVE DATA B
TXCA : TRANSMITTER CLOCKS A
TXCB : TRANSMITTER CLOCKS B

OUTPUT

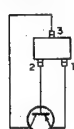
DTRA : DATA TERMINAL READY A
DTRB : DATA TERMINAL READY B
IEO : INTERRUPT ENABLE OUTPUT
INT : INTERRUPT REQUEST
RTSA : REQUEST TO SEND A
RTSB : REQUEST TO SEND B
TXDA : TRANSMIT DATA A
TXDB : TRANSMIT DATA B
W/RDYA : WAIT/READY A
W/RDYB : WAIT/READY B

INPUT/OUTPUT

D0 - D7 : SYSTEM DATA BUS
IORQ : INPUT/OUTPUT REQUEST
SYNCA : SYNCHRONIZATION A
SYNCB : SYNCHRONIZATION B

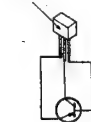


(SCALE 4/1)
TOP VIEW



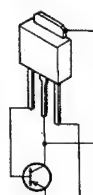
2SA1122D
2SA1162G
2SA1226
2SA1576
2SA1611
2SA812

TYPE NO.
PRINTED



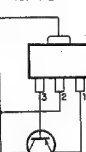
2SA1175

(SCALE 2/1)



2SA1385

(SCALE 4/1)
TOP VIEW

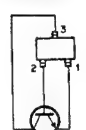


2SB1114
2SB1121
2SB1188

2SB841



(SCALE 4/1)
TOP VIEW



2SC1623
2SC2223
2SC2712
2SC2715Y
2SC3326N
2SC4081
2SC4177
2SC4178
2SC4213A

2SC1826

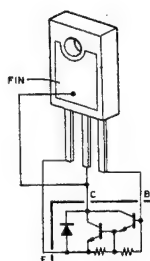


(SCALE 2/1)



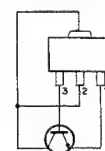
2SC3518

2SD1081

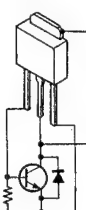


2SD1309

TOP VIEW (SCALE 4/1) 2SD1614

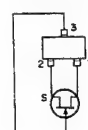


(SCALE 2/1)

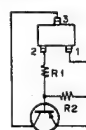


2SD992A

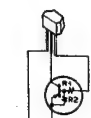
TOP VIEW (SCALE 4/1) 2SK94



TOP VIEW (SCALE 4/1)

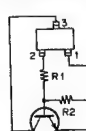


DTA124EU (R1 = 22K, R2 = 22K)
DTA124XK (R1 = 22K, R2 = 47K)
DTA144EU (R1 = 47K, R2 = 47K)



DTA143XS (R1=4.7K, R2=10K)
DTC114ES (R1=10K, R2=10K)

TOP VIEW (SCALE 4/1)

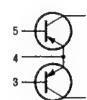


DTC124EU (R1 = 22K, R2 = 22K)
DTC144EK (R1 = 47K, R2 = 47K)
DTC144EU (R1 = 47K, R2 = 47K)

(SCALE 6/1)
TOP VIEW



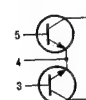
FMS1FE



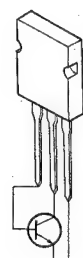
(SCALE 6/1)
TOP VIEW



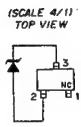
FMW1



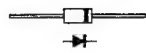
2SD2096



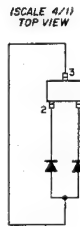
DIODE



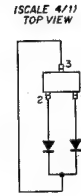
02CZ ? ?
RD ? ? M



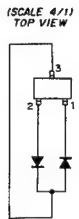
10E-2
1SS119
1SS120



1S2835



1S2837
DAN202U



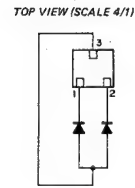
1SS123
1SS226



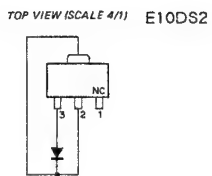
1SS99



1T32
1T33C



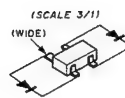
DAP202U



E10DS2



FC54M

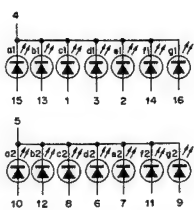
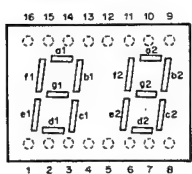


MA159



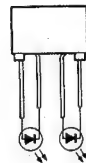
GL-5HDS ; RED

DUAL 7-SEGMENT LED
— TOP VIEW —



LB402VK (ROHM)

— SIDE VIEW —
— SCALE 2/1 —



LT-920UH ; YELLOW
LT-9200N ; YELLOWISH GREEN



TLG124A ; GREEN



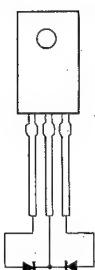
TLG256 ; GREEN
TLY256 ; YELLOW



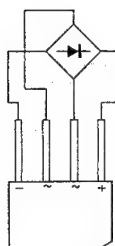
TLUG144 ; GREEN
TLUY144 ; YELLOW



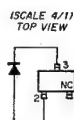
TLUG154 ; GREEN



D10LC20U
D10SC4M



D3SB60



DAN212K

SECTION 13
BOARD LAYOUTS AND SCHEMATIC DIAGRAM

CIRCUIT FUNCTION OF THE PRINTED CIRCUIT BOARD

SYSTEM	BOARD	CIRCUIT FUNCTION
VIDEO	MD-89	Y/C REC Video Process
	VRA-4P	REC AMP/Flying Erase OSC
	PRE-10P	PB Head AMP (VIDEO, AFM, PCM, ATF), RE, EQ
	DM-92	Y/C PB Video Process
	CR-40	DG Compensator (LINE)
	CR-41	DG Compensator (DUB)
	FL-129P	PB Chroma LPF
	FL-130P	PB Y LPF (Hi8)
	FL-131P	PB Y EQ (NORMAL)
	TBC-27	TBC/GEN Lock
	VA-111AP	Video Interface/Sync, Burst Insert
	CP-176	Video Input/Output Interface
AUDIO	AU-156AP	AFM Audio, Input/Output Select
	VR-122	Audio Level Control
	AU-157AP	PCM Audio, Input/Output Select
	AA-57P	Audio Input/Output AMP
	PD-62	JOG Audio Process
SYSTEM CONTROL SERVO	CP-177	Audio Input/Output Interface
	SST-2AP	Servo/System Control
	CN-551P	Servo Interface
	KY-217	Function Key Board
	DD-12	Display Drive
	PTC-32	Search Dial
	LP-52	Mode Display
	DP-101	Display
	RM-101	15Pin Connector (for TBC Remote controller)
	RM-122	9Pin connector
	SW-467P	Sub Panel Switch
	SW-540	Mode Select Switch
	SW-543	Remote Panel Switch
	TS-74	Tape Top/End Sensor
	RS-31	Mechanical Control
	MS-36	Mode Switch
	LM-22	Loading Sensor
	LD-1	Tape Sensor
	TR-72	S-Tension Regulator Sensor

SYSTEM	BOARD	CIRCUIT FUNCTION
POWER	AC-121AP	AC Input
	DC-57P	DC Supply
	SOPS-1031	Switching Regulator
OTHERS	MB-356P	Mother Board
	MT-57A	Audio Level Meter
	SW-466	Audio Meter Select Switch
	VR-130	Headphones Level
	HP-52	Headphones Jack
	FP-84	Connection
	FP-122	Connection
	FP-206	Connection

In the schematic diagrams, the following marks are described near by reference number. These are parts data at factory.

CAPACITOR (C)

AL	}	ELECTROLYTIC
AS		
TA		TANTALUM
CA	}	CERAMIC
CC		
CCS		
CM		
CS		
MPS	}	MYLAR
PP		
PS		
PT		
MD		DIPPED MICA
MS		MICA

RESISTOR (R)

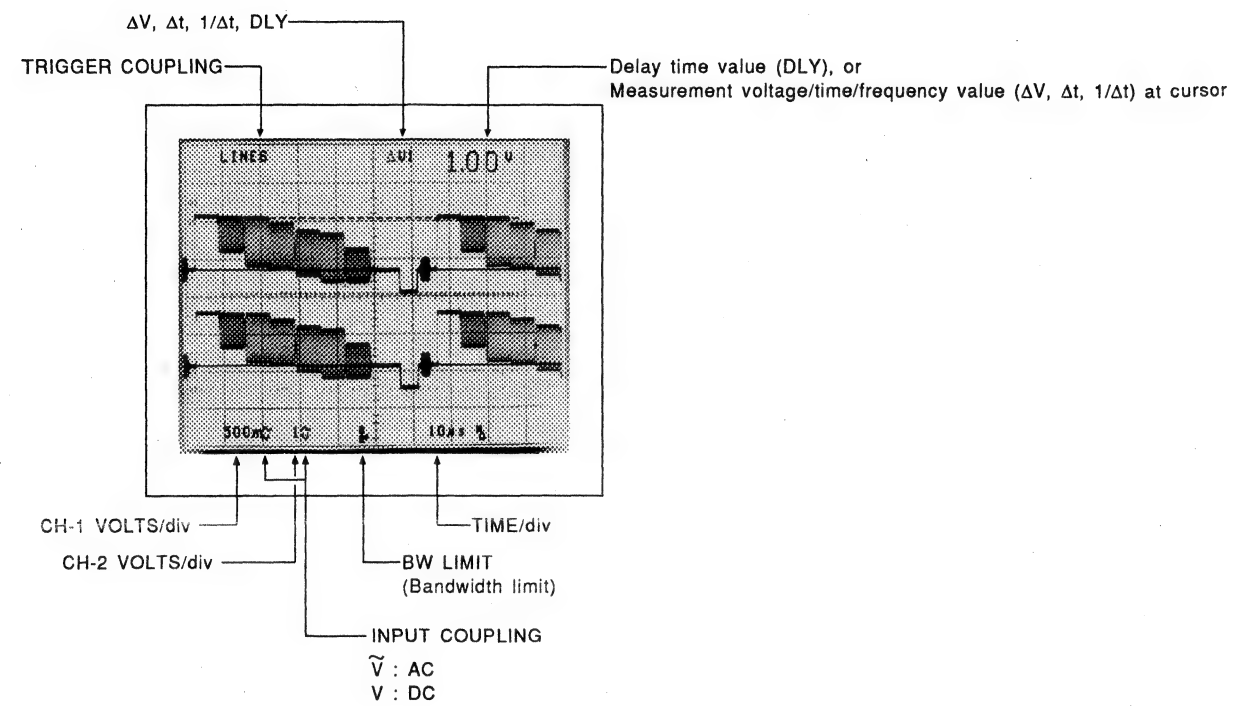
VARIABLE RESISTOR (RV)

RC	}	CARBON
RD		
RF		FUSE
RN	}	METAL
RS		
RW		WIERWOUND
NM		NO MOUNTED

- The variety of the fixed resistor without its indication is fixed carbon resistor.

SETTING OF OSCILLOSCOPE FOR MEASUREMENT

- With waveform photograph used for waveform display :
The setting conditions are displayed on the photograph as given below.



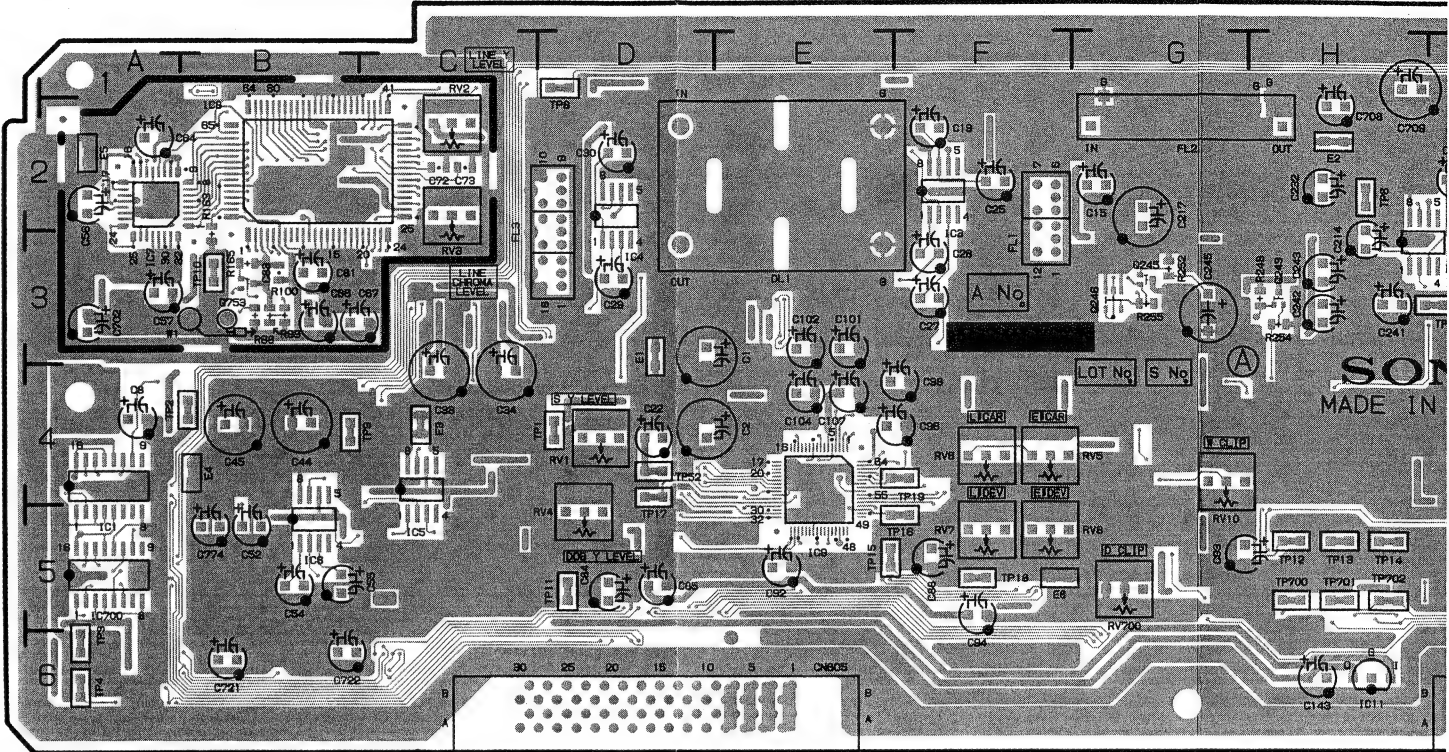
The mentioned items at waveform photograph of this section are measurement point and machine operation mode.

MD-89 (1-647-604-11)

CN11	M-2	Q24	B-5*	Q701	A-3*	TP8	D-1
CN605	D-6	Q25	B-5*	Q702	A-3*	TP9	B-4
CN606	K-6	Q26	B-4*	Q703	H-2*	TP10	B-3
		Q27	B-3*	Q704	J-2*	TP11	D-5
D1	A-6*	Q28	D-5*	Q705	D-3*	TP12	H-5
D3	H-4*	Q29	H-5*	Q706	D-2*	TP13	H-5
D4	H-4*	Q30	H-5*	Q707	C-5*	TP14	H-5
D241	G-3*	Q31	H-5*	Q708	C-5*	TP15	E-5
D700	G-5*	Q32	H-5*	Q709	C-4*	TP16	F-5
D701	H-5*	Q33	H-5*	Q710	B-5*	TP17	D-4
D702	D-5*	Q34	H-5*	Q711	G-5*	TP18	F-5
D703	D-5*	Q35	E-5*	Q712	G-4*	TP19	F-4
D704	H-5*	Q36	F-4*	Q715	K-5*	TP20	K-2
		Q37	F-4*	Q716	M-6*	TP21	K-3
DL1	E-2	Q38	F-5*	Q717	M-5*	TP22	K-2
		Q39	K-2*	Q718	M-5*	TP23	L-1
E1	D-3	Q40	K-2*	Q719	M-5*	TP24	L-3
E2	H-2	Q41	K-2*	Q720	M-5*	TP29	K-4
E3	C-4	Q42	K-3*	Q721	M-4*	TP30	L-6
E4	B-4	Q43	L-2*	Q723	M-4	TP31	K-5
E5	A-2	Q44	K-2*	Q724	N-3*	TP32	L-4
E6	F-5	Q45	M-2	Q725	N-3*	TP33	L-4
E7	L-3	Q46	M-2	Q727	N-3*	TP34	M-3
E9	N-1	Q47	M-2*	Q728	N-4*	TP35	L-2
		Q48	M-2	Q729	N-4*	TP36	M-1
FL1	F-2	Q51	N-2	Q731	N-5*	TP37	M-1
FL2	G-2	Q52	H-5*	Q732	N-5	TP38	M-1
FL3	D-3	Q54	G-5*	Q733	N-5*	TP51	K-3
FL4	K-3	Q55	G-4*	Q734	N-5*	TP52	D-4
FL5	K-2	Q56	G-4*	Q735	N-5*	TP53	K-1
		Q57	H-4*	Q736	N-5*	TP700	H-5
IC1	A-5	Q58	G-4*	Q737	G-5*	TP701	H-5
IC2	H-3	Q75	M-6*	Q750	B-5*	TP702	H-5
IC3	F-2	Q76	M-6	Q751	C-5*	TP703	M-2
IC4	D-3	Q77	L-4*	Q752	C-5*		
IC5	C-5	Q78	L-4*	Q753	B-3	X1	K-3
IC6	B-5	Q79	K-4*	Q754	E-5*		
IC7	A-2	Q80	L-6*	Q755	M-4*		
IC8	B-2	Q81	L-5*	Q756	N-3*		
IC9	E-4	Q82	L-5*	Q758	J-4*		
IC10	K-2	Q83	L-4*				
IC11	H-6	Q84	K-5*	RV1	D-4		
IC14	M-3	Q85	L-5*	RV2	C-2		
IC700	A-5	Q86	L-5*	RV3	C-2		
IC701	N-4	Q87	L-4*	RV4	D-5		
IC702	N-6	Q88	L-5*	RV5	F-4		
IC703	N-5	Q89	L-3*	RV6	F-4		
		Q90	L-3*	RV7	F-5		
Q1	D-4*	Q91	G-2*	RV8	F-5		
Q2	D-4*	Q92	K-4*	RV10	G-4		
Q3	D-3*	Q93	A-5*	RV13	L-4		
Q4	D-3*	Q94	G-2*	RV14	L-4		
Q5	A-4*	Q95	H-3*	RV15	L-5		
Q6	A-6*	Q241	H-3*	RV16	L-4		
Q7	A-6*	Q242	H-3*	RV17	L-5		
Q8	J-3*	Q243	G-3	RV18	L-2		
Q9	F-3*	Q244	G-3*	RV700	G-5		
Q10	F-3*	Q245	G-3	RV702	M-4		
Q11	H-2*	Q246	G-3	RV703	M-5		
Q12	F-1*	Q501	H-4*	RV704	M-4		
Q13	F-2*	Q503	J-5*	RV706	N-3		
Q14	F-2*	Q504	J-5*	RV708	N-3		
Q17	D-2*	Q505	J-5*				
Q18	D-2*	Q506	J-4*	TP1	D-4		
Q19	C-4*	Q507	J-5*	TP2	B-4		
Q20	C-5*	Q508	K-5*	TP3	A-6		
Q21	C-4*	Q509	J-4*	TP4	A-6		
Q22	B-5*	Q510	K-4*	TP5	J-3		
Q23	B-4*	Q700	A-5*	TP6	H-2		

* mark ; B SIDE mount

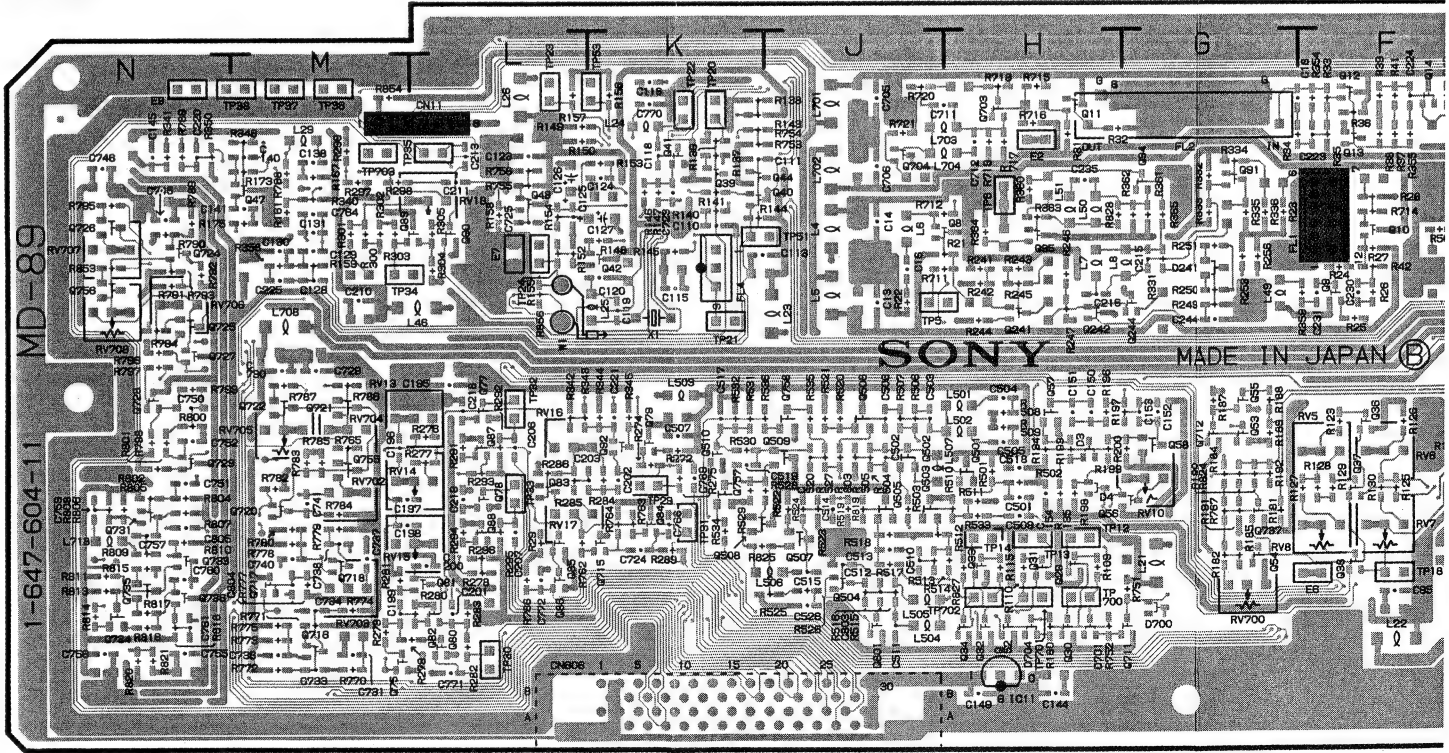
MD-89 BOARD
A Side



1-647-604-11 A SIDE

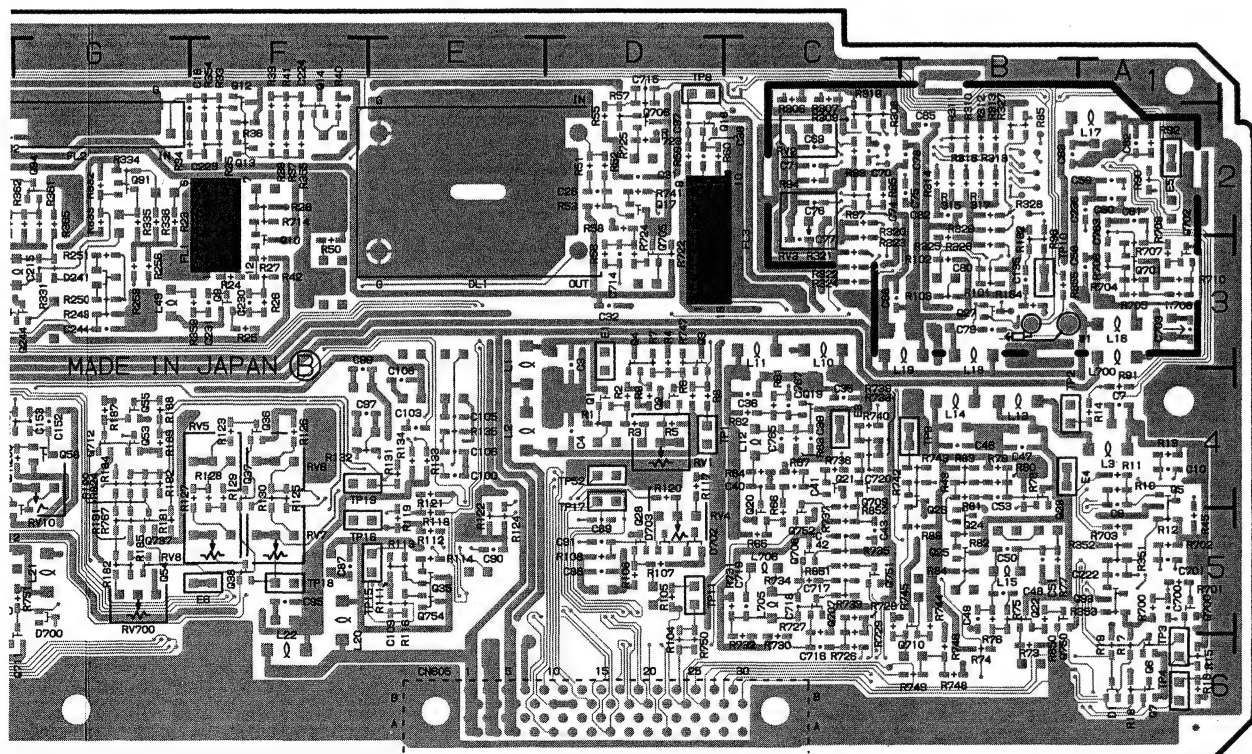
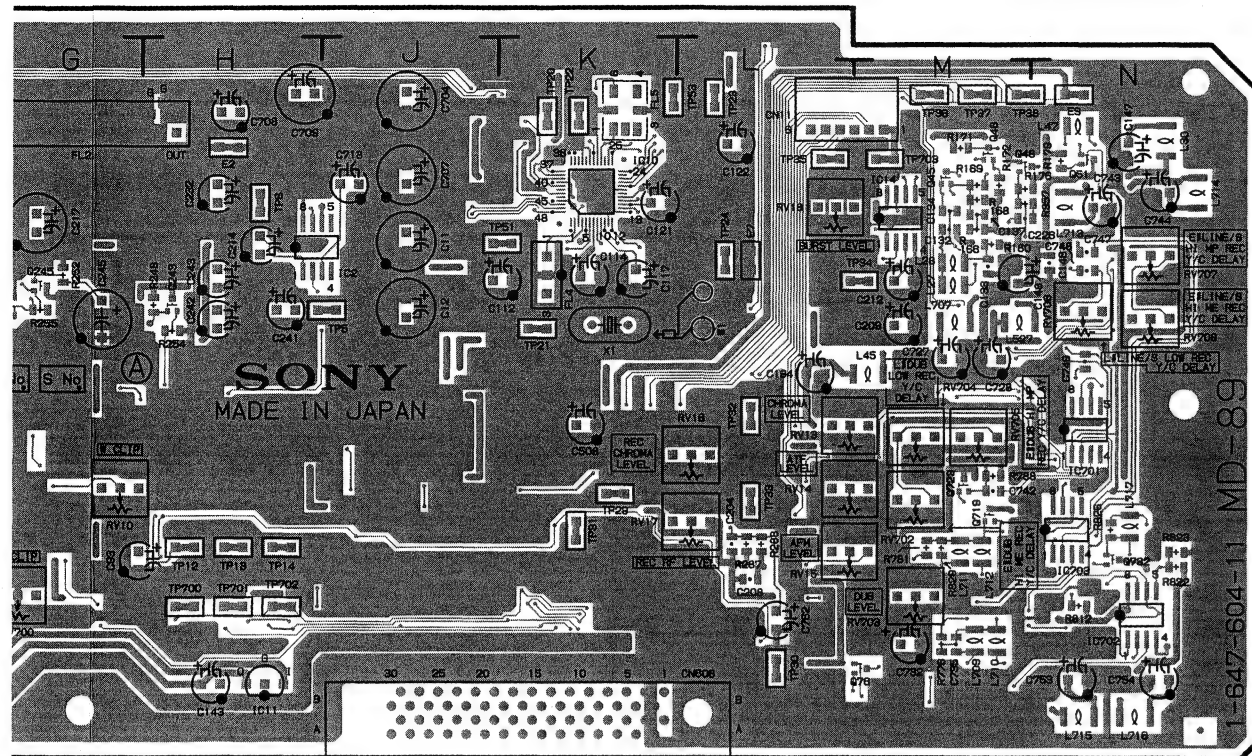
A Side is the same as Component Side

MD-89 BOARD
B Side

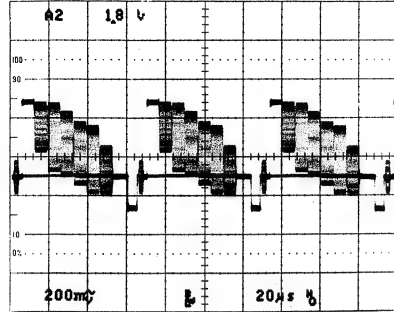


1-647-604-11 B SIDE

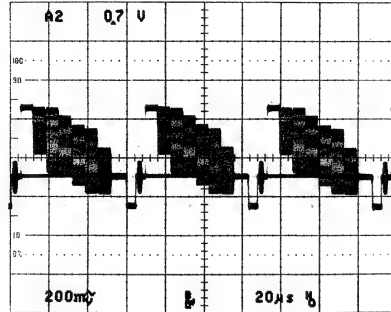
B Side is the same as Soldering Side



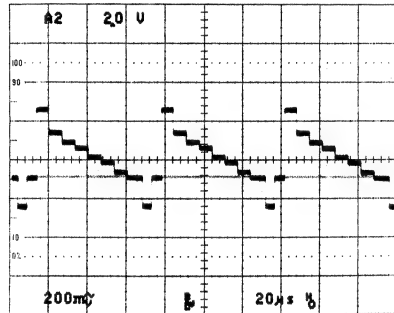
① TP52 (D-4) STOP (E-E) mode



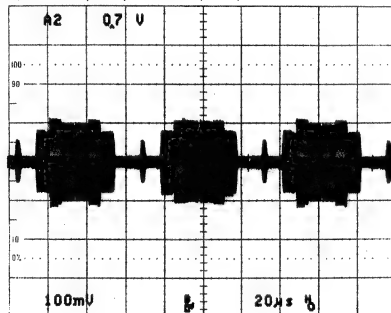
⑤ TP9 (B-4) STOP (E-E) mode



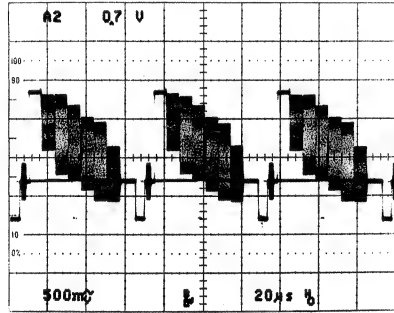
② TP5 (J-3) STOP (E-E) mode



⑥ TP8 (D-1) STOP (E-E) mode

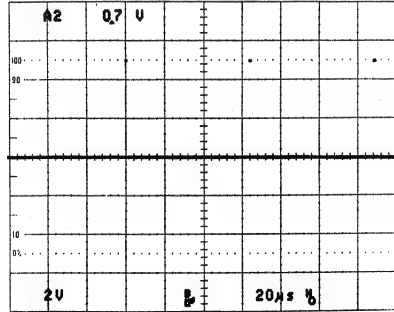


③ TP1 (D-4) STOP (E-E) mode

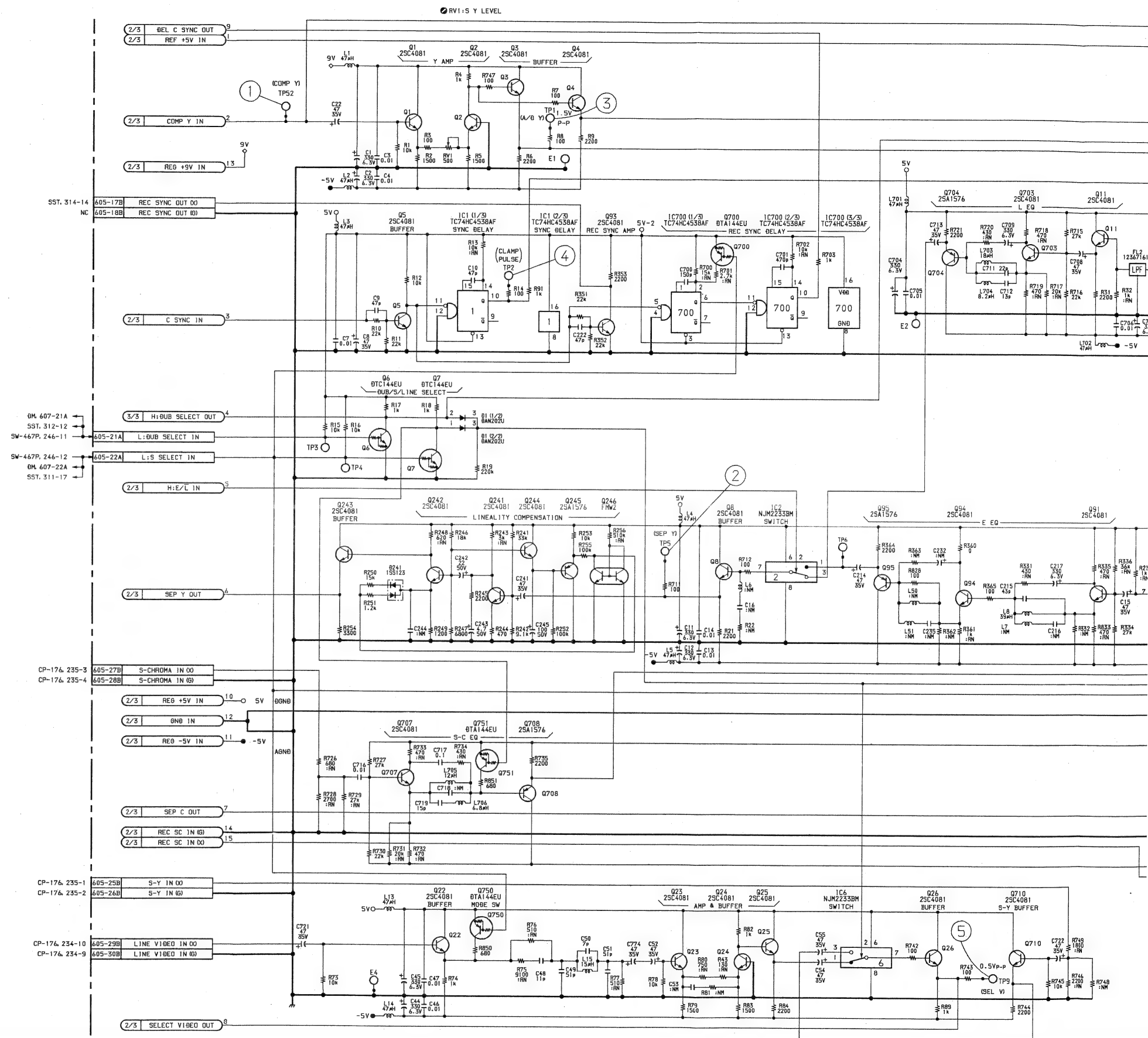


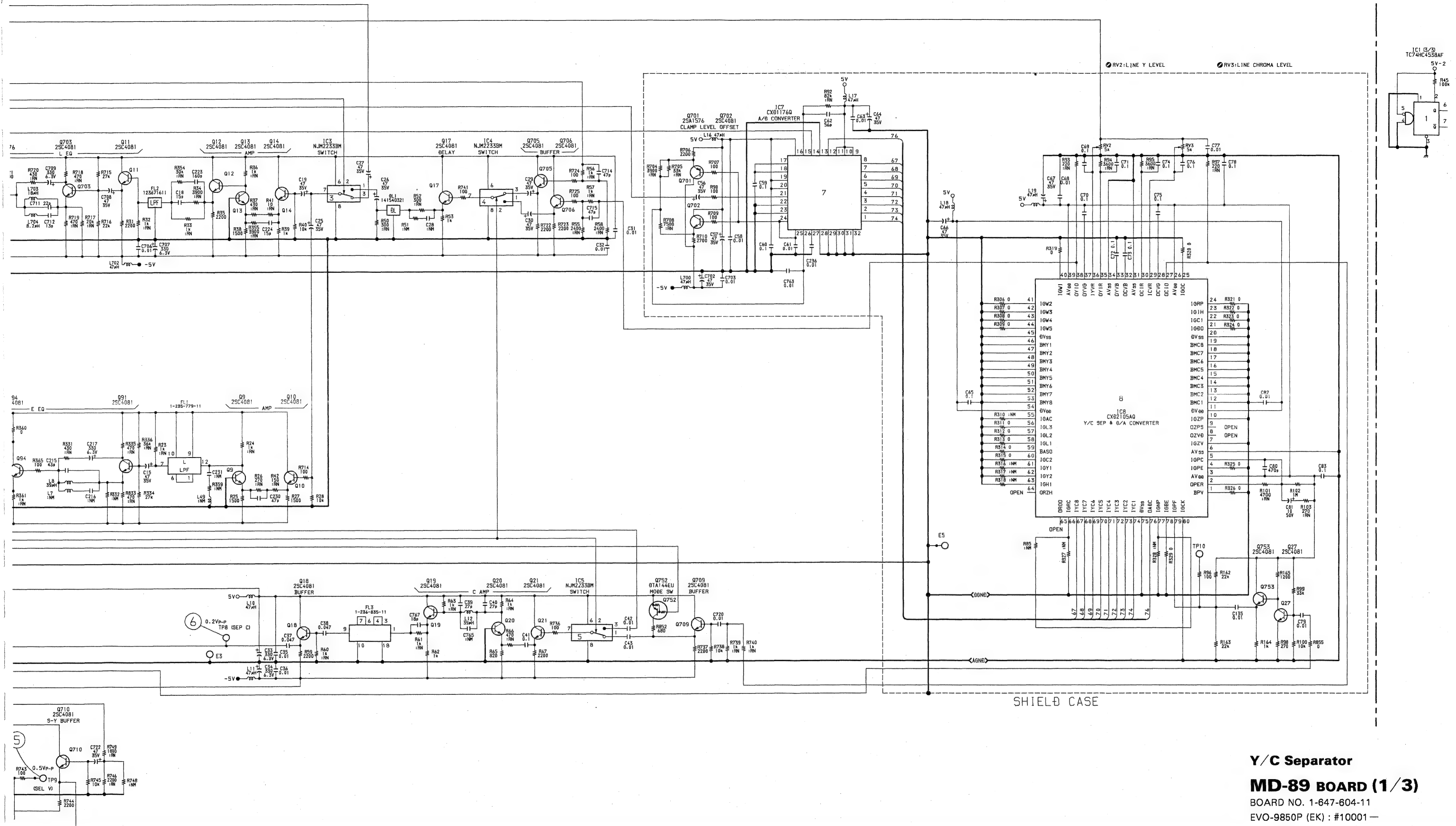
Measurement Condition
VIDEO IN: EBU color-bars
STOP (E-E) mode

④ TP2 (B-4) STOP (E-E) mode

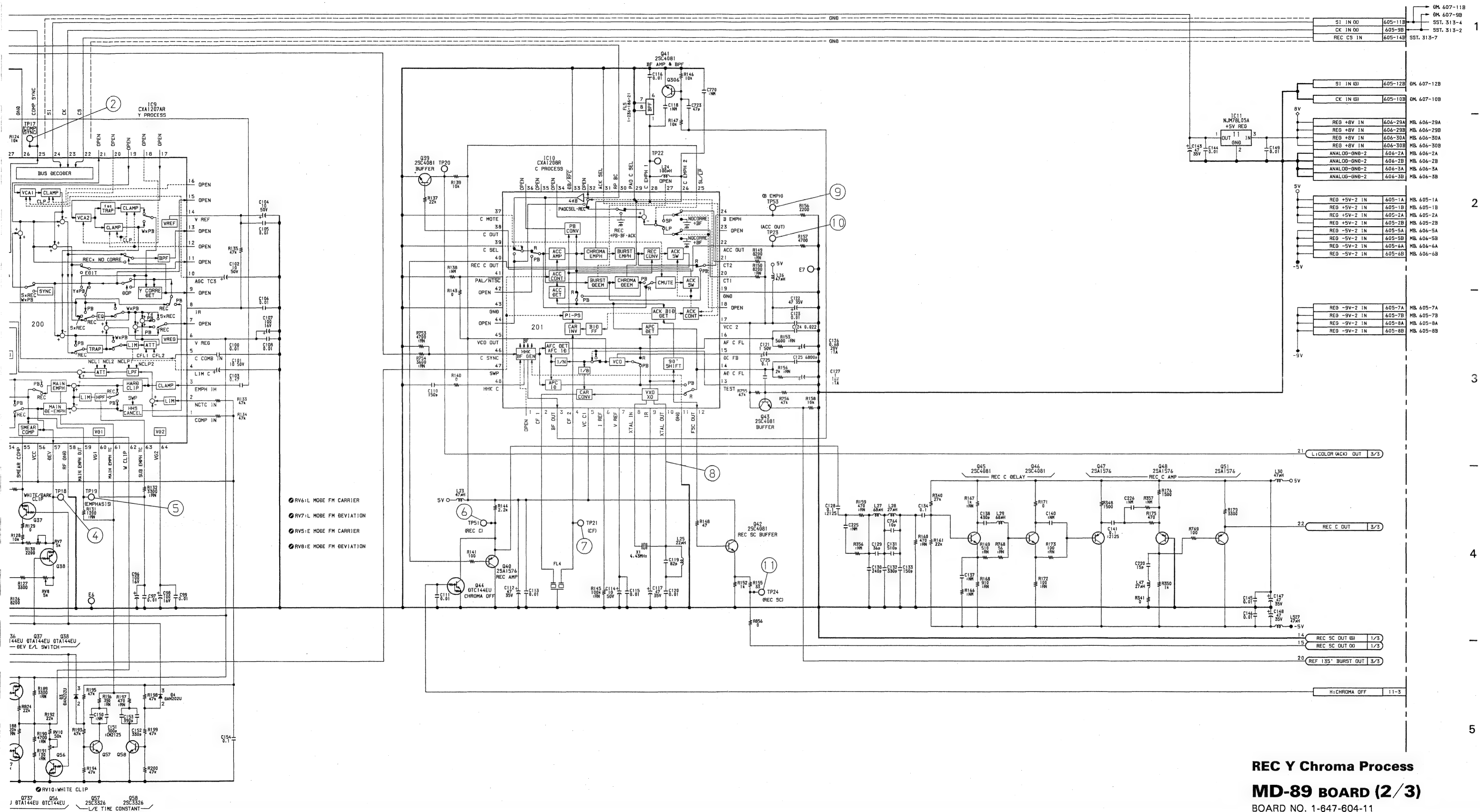


0 Vdc





Y/C Separator
MD-89 BOARD (1/3)
 BOARD NO. 1-647-604-11
 EVO-9850P (EK) : #10001—



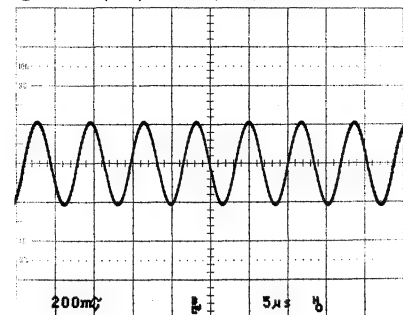
REC Y Chroma Process

MD-89 BOARD (2/3)

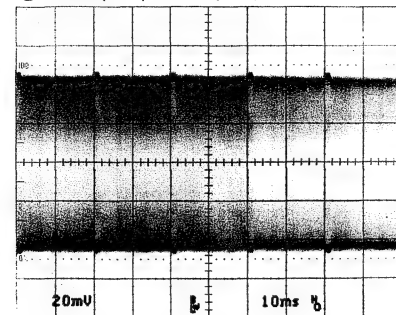
BOARD NO. 1-647-604-11

EVO-9850P (EK) : #10001—

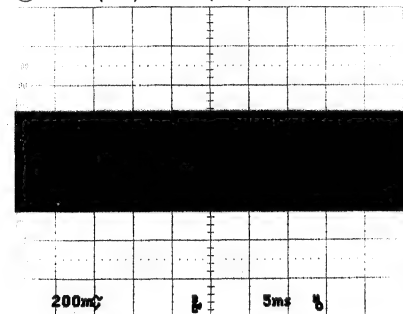
① TP32 (L-4) STOP (E-E) mode



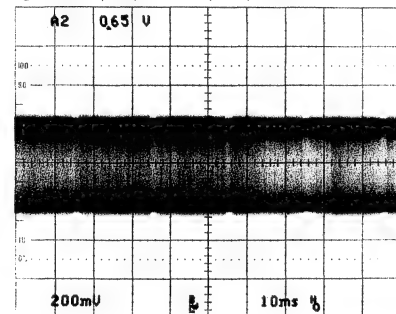
⑤ TP37 (M-1) STOP (E-E) mode



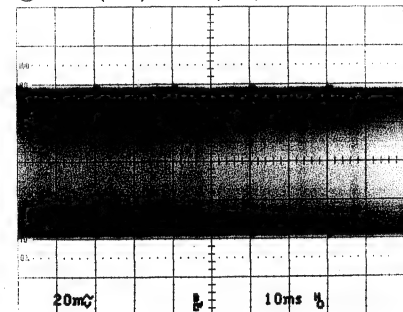
② TP33 (L-4) STOP (E-E) mode



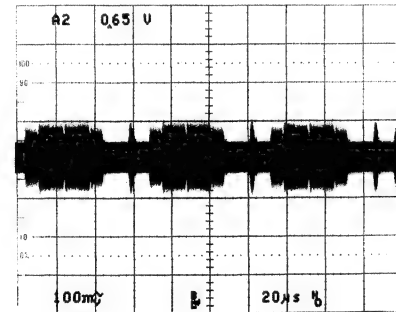
⑥ TP30 (L-6) STOP (E-E) mode



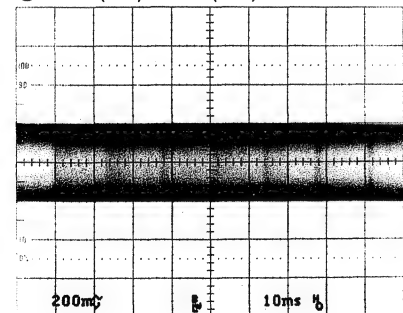
③ TP36 (M-1) STOP (E-E) mode



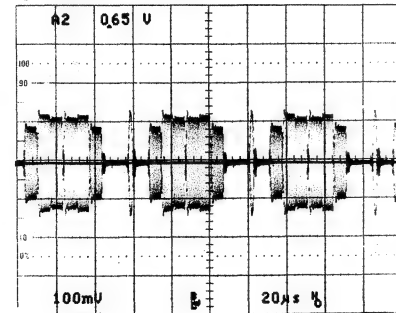
⑦ TP31 (K-5) STOP (E-E) mode



④ TP29 (K-4) STOP (E-E) mode



⑧ CN606-17B (K-6) STOP (E-E) mode

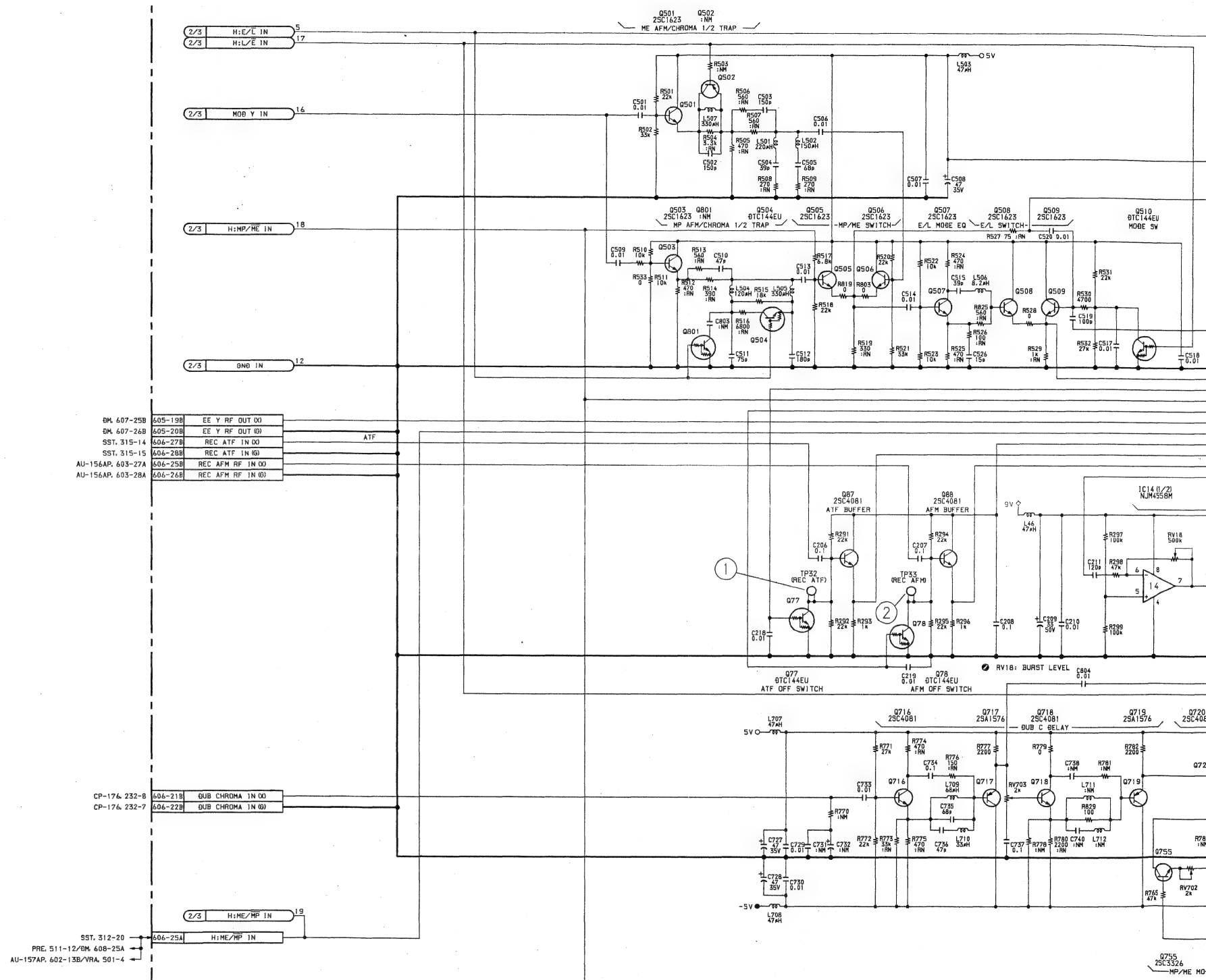


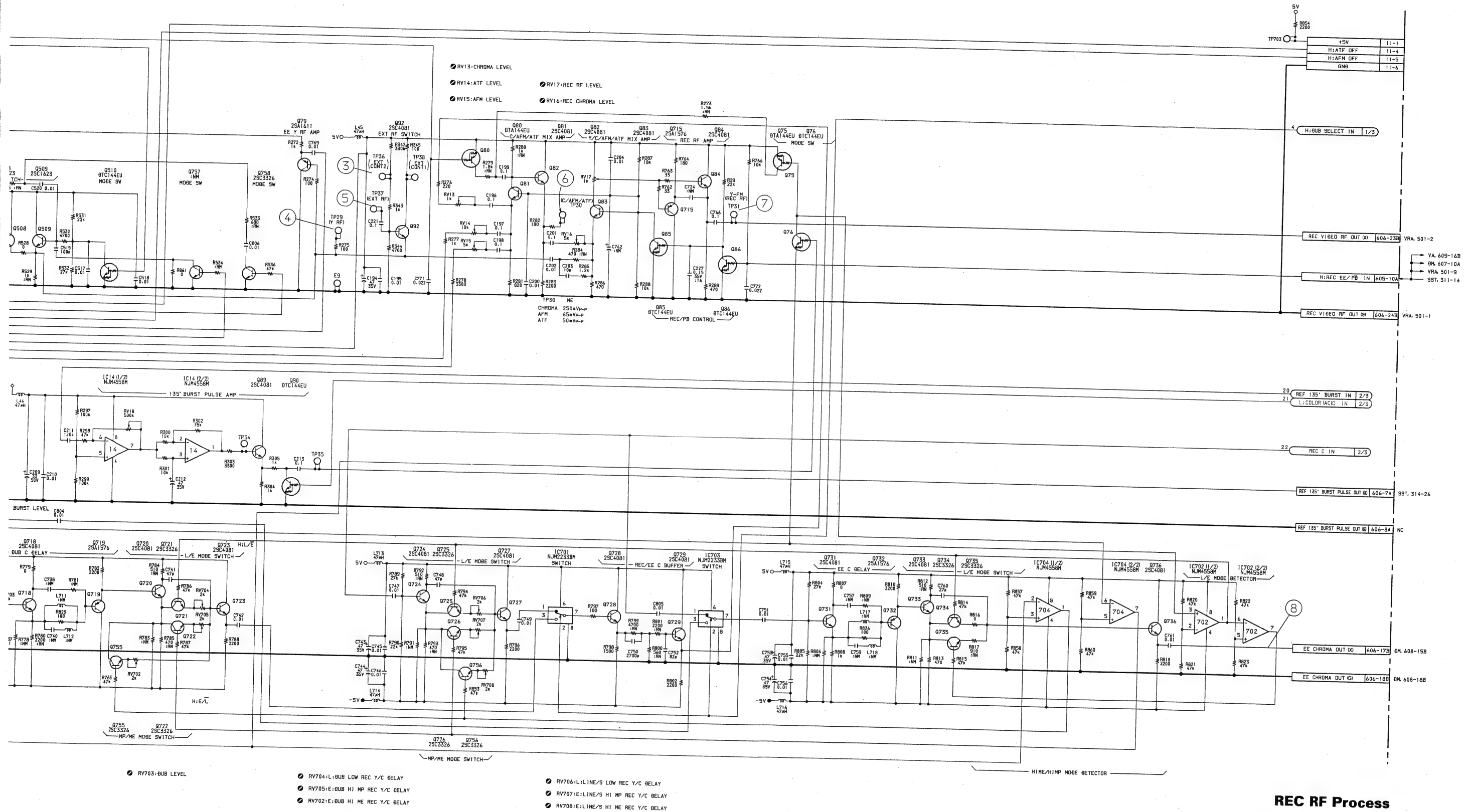
Measurement Condition
VIDEO IN: EBU color-bars
STOP (E-E) mode

BM 407-25B 605-10B EE Y RF OUT DO
BM 407-24B 605-20B EE Y RF OUT DO
SST 315-14 604-27B REC ATF IN DO
SST 315-15 604-28B REC ATF IN DO
AU-156AP 603-27A 604-25B REC AFM RF IN DO
AU-156AP 603-28A 604-26B REC AFM RF IN DO

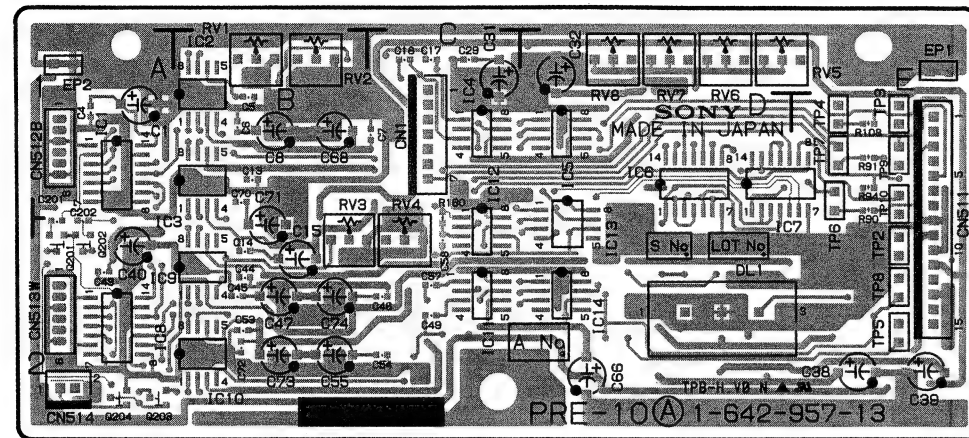
CP-174 232-8 604-21B SUB CHROMA IN DO
CP-174 232-7 604-22B SUB CHROMA IN DO

SST 312-20 604-25A H:ME/MP IN
PRE 511-12/BM 408-25A
AU-157AP 602-13B/VRA 501-4



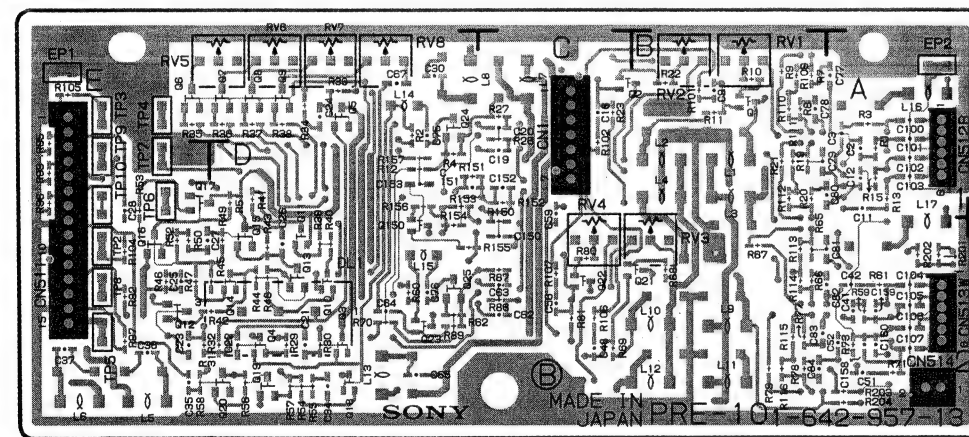


PRE-10P (1-642-957-13)

PRE-10P BOARD**A Side**

1-642-957-13 A SIDE

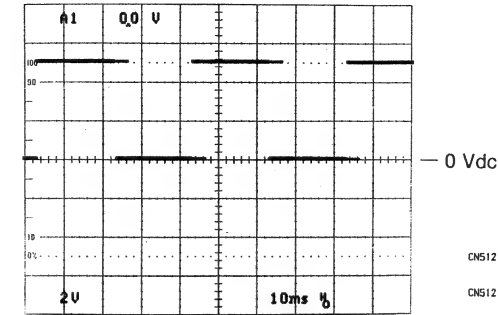
A Side is the same as Component Side

PRE-10P BOARD**B Side**

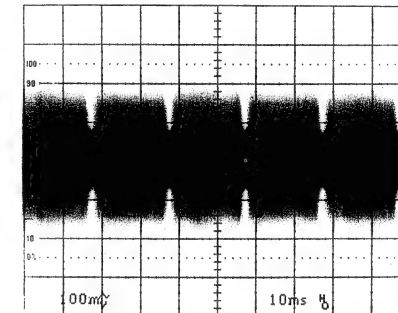
1-642-957-13 B SIDE

B Side is the same as Soldering Side

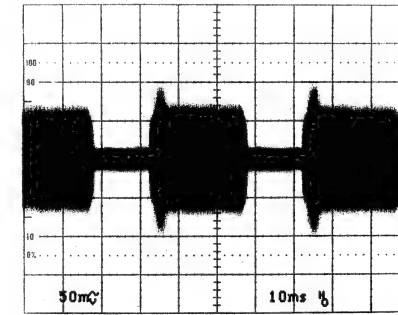
① TP7 (E-1), TP-10 (E-1) PB mode



② TP9 (E-1) PB mode

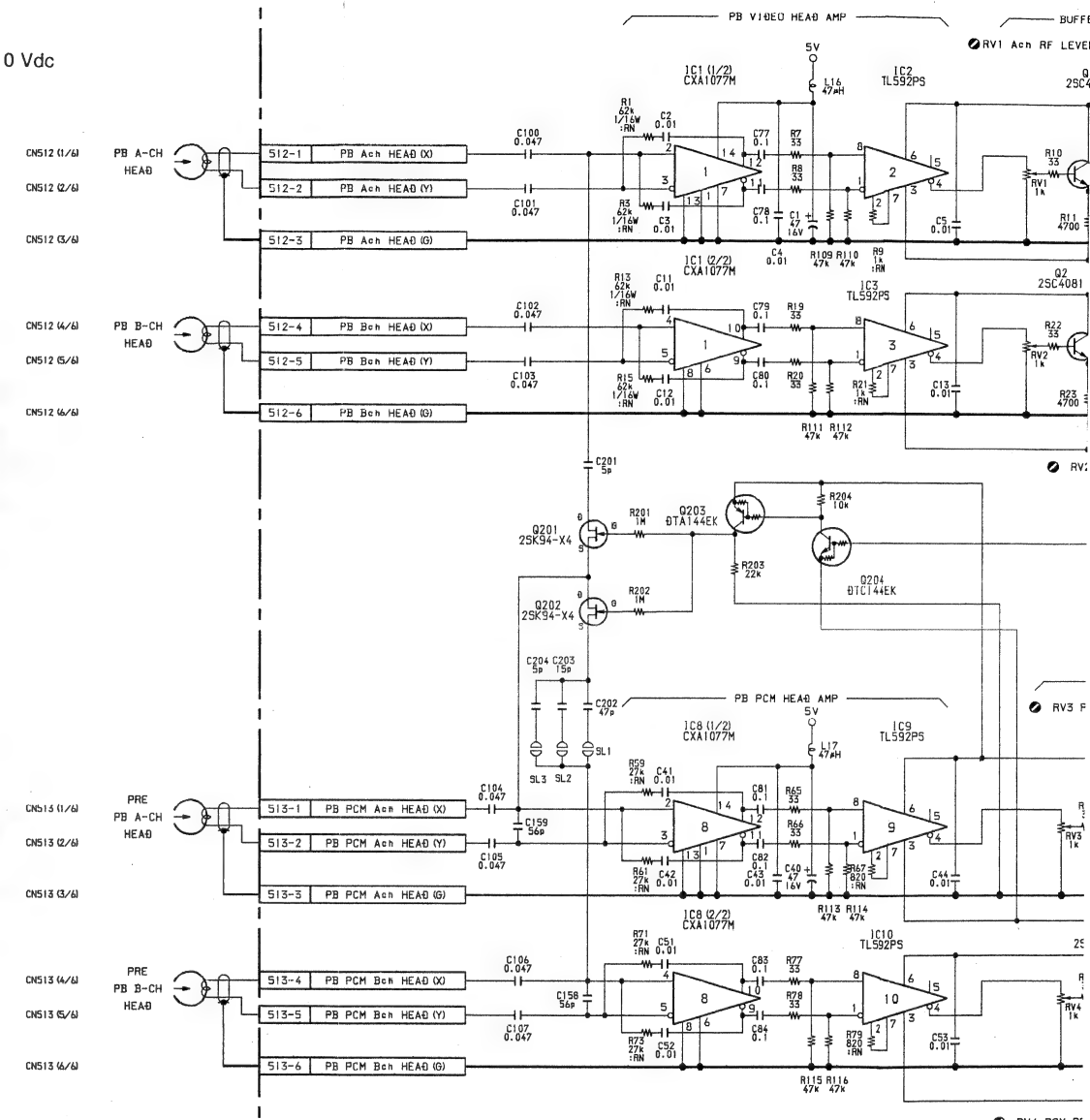


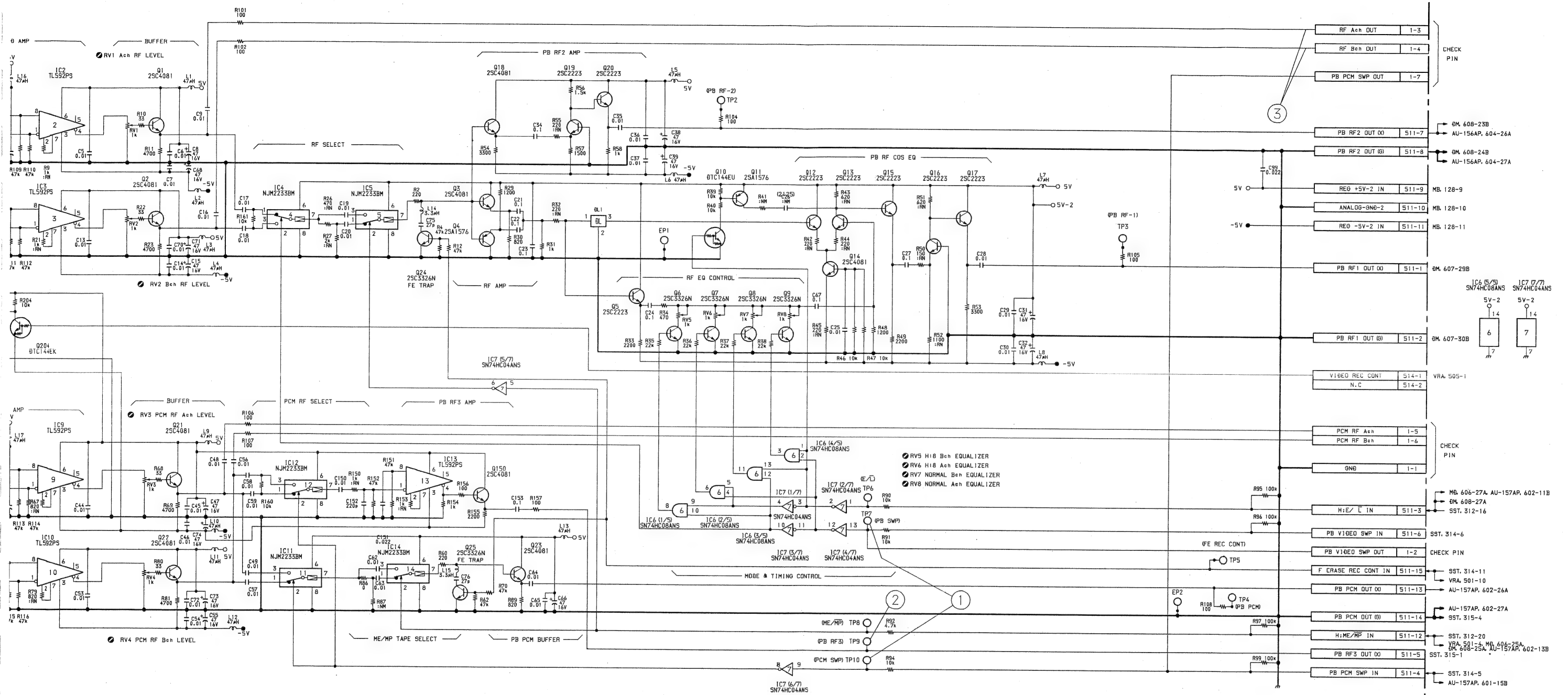
③ CN1-3 (C-1), CN1-4 (C-1) PB mode

**Measurement Condition**

VIDEO IN: EBU color-bars

PB mode: (WR5-8CSE: color bars)





PB Head Amp, RF EQ
PRE-10P BOARD
 BOARD NO. 1-642-957-13
 EVO-9850P (EK) : #10001—

VRA-4P (1-642-958-13)

CN501 A-2
CN502 F-2
CN503 D-1
CN504 B-1
CN505 B-3

D2 D-2

E1 F-2
E2 F-1

IC1 E-2
IC3 B-3
IC4 B-2
IC5 C-2
IC6 E-2

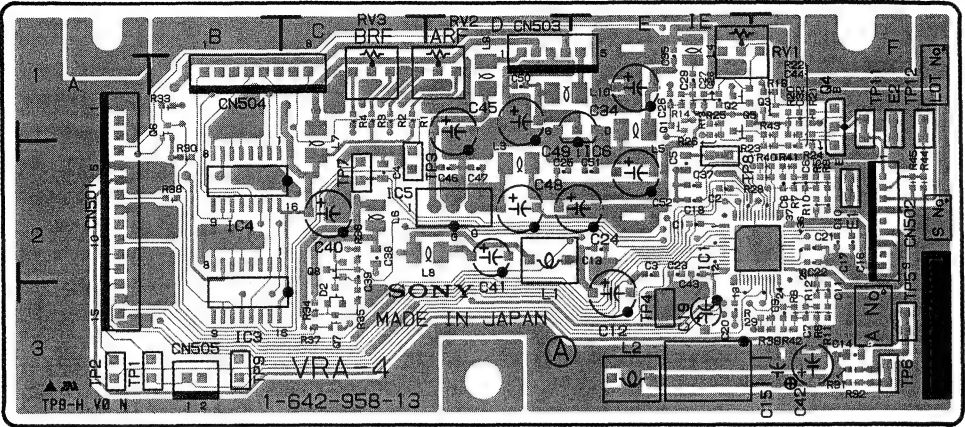
Q1 E-1
Q2 E-1
Q3 F-1
Q4 F-1
Q5 E-1
Q6 B-1
Q7 C-3
Q8 C-2

RV1 F-1
RV2 D-1
RV3 C-1

TP1 A-3
TP2 A-3
TP3 D-2
TP4 E-3
TP5 F-3
TP6 F-3
TP7 C-2
TP8 E-2
TP9 B-3
TP11 F-1
TP12 F-1

VRA-4P BOARD

A Side

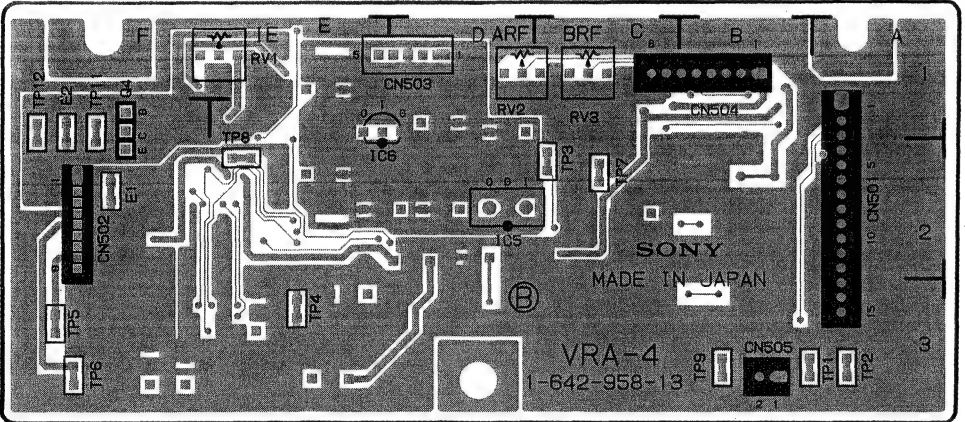


1-642-958-13 A SIDE

A Side is the same as Component Side

VRA-4P BOARD

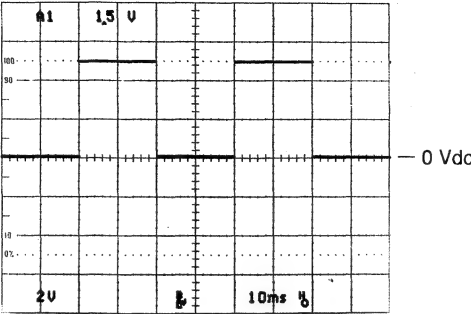
B Side



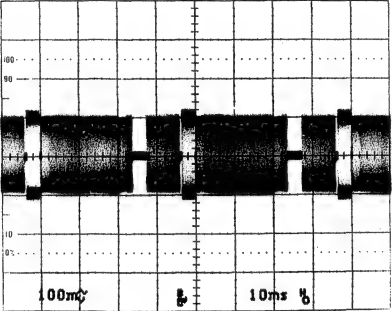
1-642-958-13 B SIDE

B Side is the same as Soldering Side

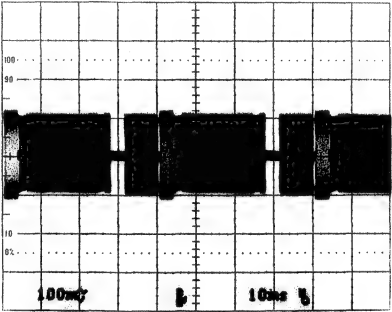
① TP3 (D-2) REC mode



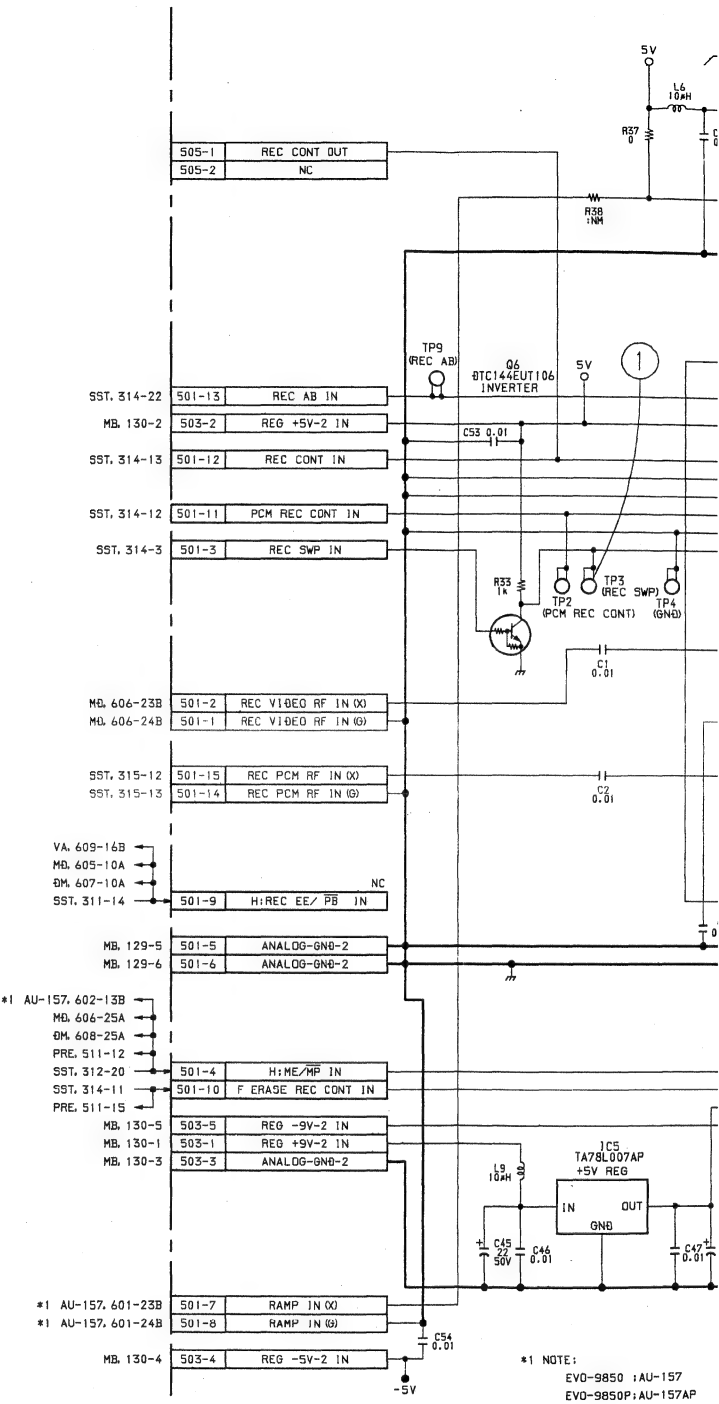
② TP5 (F-3) REC mode



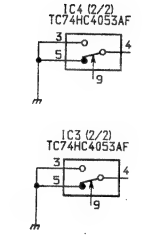
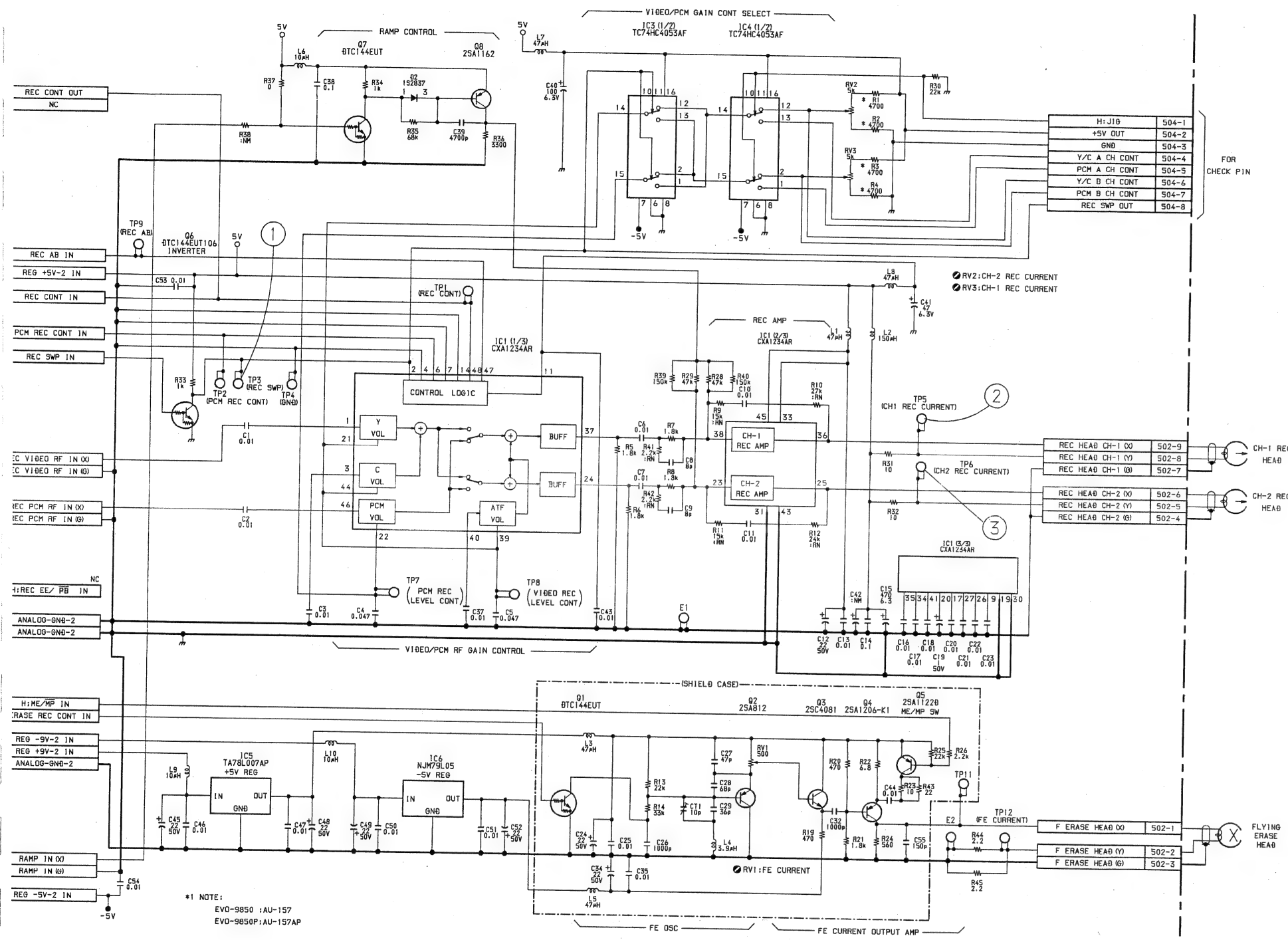
③ TP6 (F-3) REC mode



Measurement Condition
VIDEO IN: EBU color-bars
REC mode

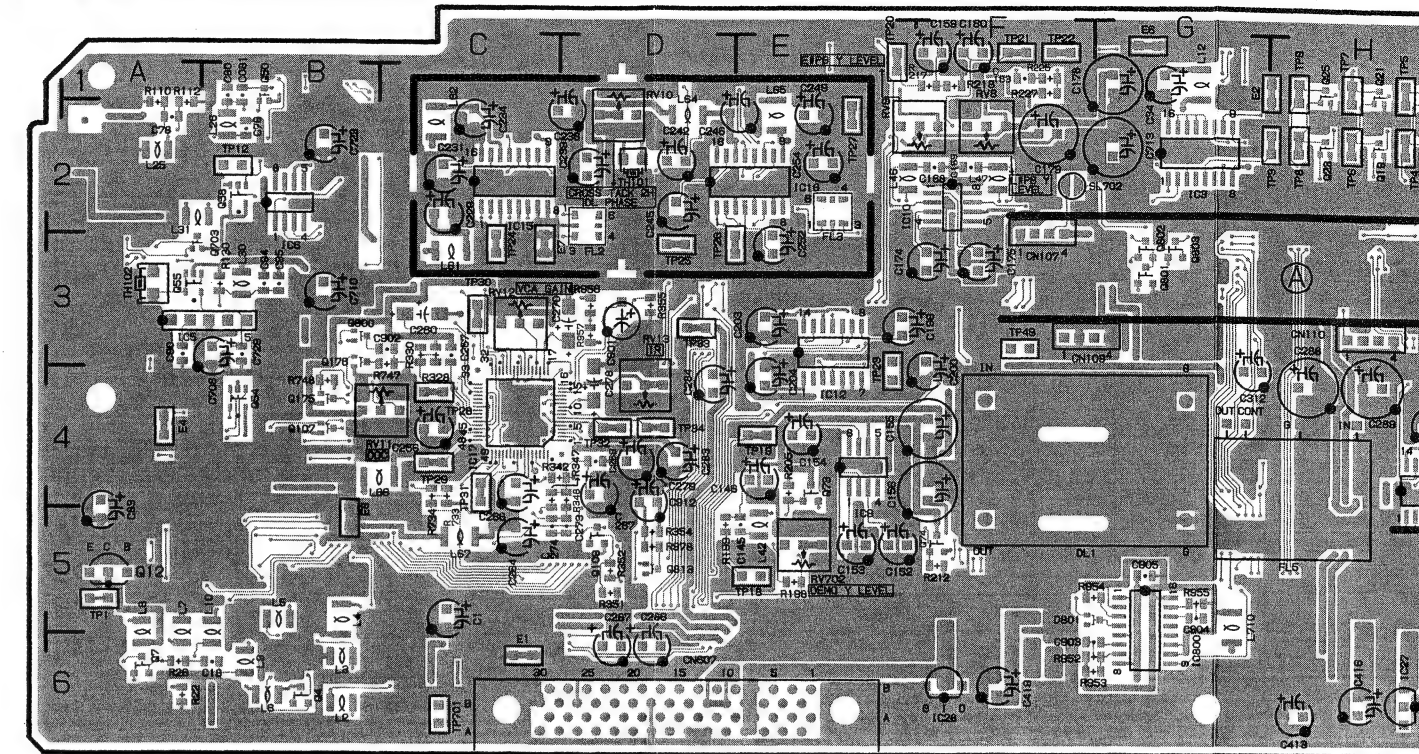


*1 NOTE:
EVO-9850 : AU-157
EVO-9850P : AU-157AP



**REC Head Amp
Flying Erase OSC
VRA-4P BOARD**
BOARD NO. 1-642-958-13
EVO-9850P (EK) : #10001—

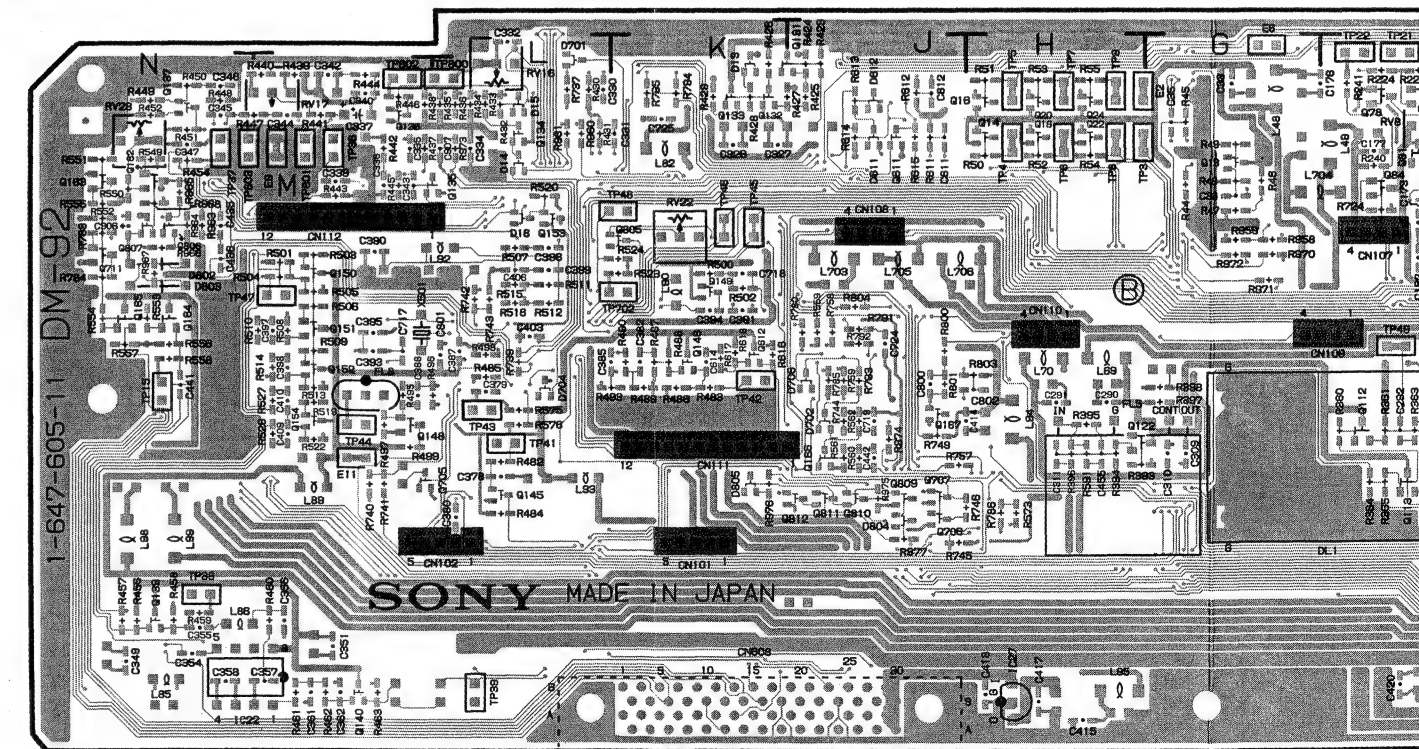
DM-92 BOARD A Side



1-647-605-11 A SIDE

A Side is the same as Component Side

DM-92 BOARD B Side



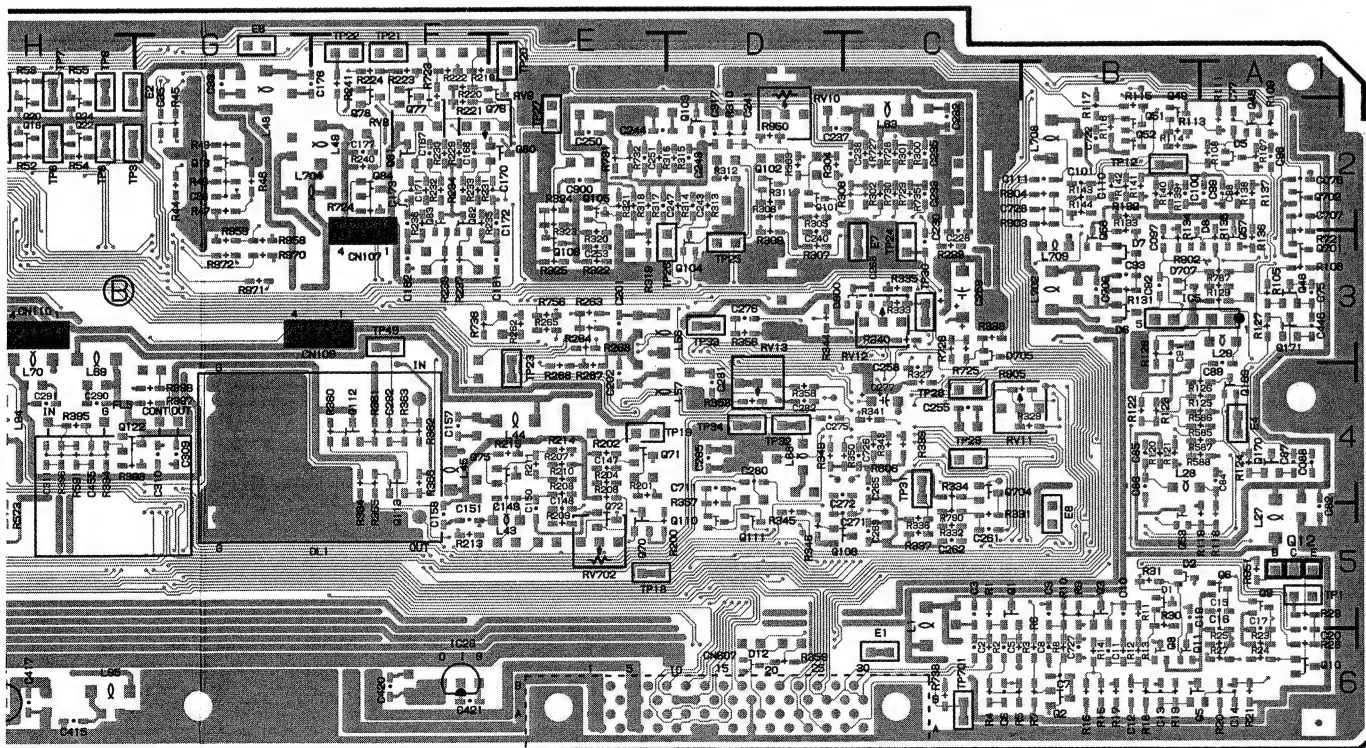
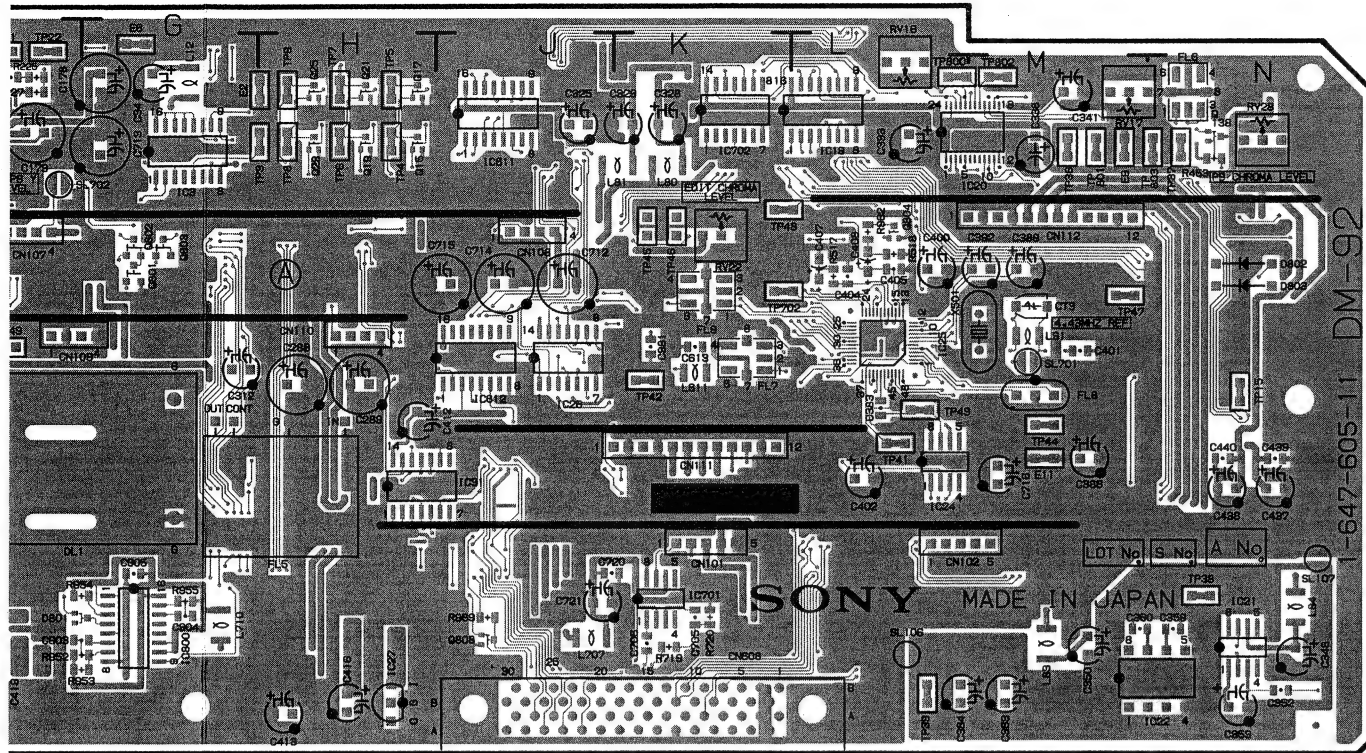
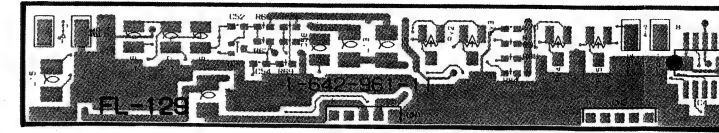
1-647-605-11 B SIDE

B Side is the same as Soldering Side

DM-92 (1-647-605-11)

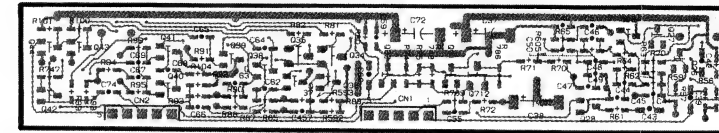
CN607	D-6	IC612	J-4	Q122	H-4*	TP3	H-2
CN608	K-6	IC701	K-5	Q131	K-1*	TP4	H-2
		IC702	K-2	Q132	K-1*	TP5	H-1
CT3	M-3	IC800	G-5	Q133	K-1*	TP6	H-2
				Q134	L-2*	TP7	H-1
D1	B-5*	Q1	C-5*	Q135	M-2*	TP8	H-2
D2	B-5*	Q2	B-6*	Q136	M-2*	TP9	H-1
D5	A-2*	Q3	B-5*	Q137	N-2*	TP12	B-2
D6	B-3*	Q4	B-6	Q138	N-2	TP15	N-4
D7	B-3*	Q5	B-6*	Q139	N-5*	TP18	E-5
D8	B-3*	Q6	A-5*	Q140	M-6*	TP19	E-4
D12	D-6*	Q7	A-6	Q145	L-4*	TP20	E-1
D13	K-1*	Q8	B-6*	Q146	K-3*	TP21	F-1
D14	L-2*	Q9	A-5*	Q148	M-4*	TP22	F-1
D15	L-2*	Q10	A-6*	Q149	K-3*	TP23	E-4
D611	J-2*	Q11	B-6*	Q150	M-3*	TP24	C-3
D612	J-1*	Q12	A-5	Q151	M-3*	TP25	D-3
D701	L-1*	Q13	G-2*	Q152	M-4*	TP26	E-3
D702	J-4*	Q14	H-2*	Q154	M-4*	TP27	E-2
D704	L-4*	Q15	H-2	Q162	N-2*	TP28	C-4
D705	C-3*	Q16	H-2*	Q163	N-2*	TP29	C-4
D706	J-4*	Q17	H-1	Q164	N-3*	TP30	C-3
D707	B-3*	Q18	H-2*	Q165	N-3*	TP31	C-4
D800	C-3*	Q19	H-2	Q166	J-4*	TP32	D-4
D801	G-5	Q20	H-2*	Q167	J-4*	TP33	D-3
D802	N-3	Q21	H-1	Q175	B-4	TP34	D-4
D803	N-3	Q22	H-2*	Q176	B-3	TP36	M-2
D804	J-5*	Q23	H-2	Q611	J-2*	TP37	N-2
D805	K-4*	Q24	H-2*	Q612	K-3*	TP38	N-5
		Q25	H-1	Q701	A-3*	TP39	L-6
DL1	F-4	Q46	A-3*	Q703	A-3	TP41	L-4
		Q48	A-2*	Q704	C-4*	TP42	K-4
E1	C-6	Q49	B-2*	Q706	J-5*	TP43	L-4
E2	H-1	Q50	B-1	Q707	J-4*	TP44	M-4
E4	A-4	Q51	B-2*	Q800	B-3	TP45	K-2
E6	G-1	Q52	B-2*	Q801	G-3	TP46	K-2
E7	C-3	Q53	B-5*	Q802	G-3	TP47	M-3
E8	B-5	Q54	B-4	Q803	G-3	TP48	K-2
E9	M-2	Q55	A-3	Q804	L-2	TP49	F-3
E11	M-4	Q56	B-3*	Q805	K-3*	TP701	C-6
		Q57	A-3*	Q806	N-2*	TP702	K-3
FL2	D-2	Q58	B-2	Q807	N-2*	TP800	L-1
FL3	E-2	Q70	E-5*	Q809	J-4*	TP801	M-2
FL5	H-4	Q71	E-4*	Q810	J-4*	TP802	M-1
FL6	N-1	Q72	E-5*	Q811	J-4*	TP803	N-2
FL7	K-3	Q73	E-4	Q812	J-4*		
FL8	M-4	Q74	F-5	Q813	D-5	X501	M-3
FL9	K-3	Q75	E-4*	Q815	B-3*		
		Q76	E-1*	Q816	B-3*		
IC3	G-2	Q77	F-1*	Q818	J-5		
IC5	A-3	Q78	F-1*	Q819	G-5*		
IC6	B-2	Q80	E-2*	Q820	F-5*		
IC9	E-4	Q81	F-2*				
IC10	F-2	Q82	F-2*	RV8	F-2		
IC12	E-4	Q83	F-2*	RV9	F-2		
IC15	C-2	Q84	F-2*	RV10	D-2		
IC16	D-2	Q101	D-2*	RV11	C-4		
IC17	C-4	Q102	D-2*	RV12	C-3		
IC19	L-2	Q103	D-2*	RV13	D-4		
IC20	L-2	Q104	D-3*	RV16	L-1		
IC21	N-6	Q105	E-2*	RV17	M-1		
IC22	M-6	Q106	E-3*	RV22	K-3		
IC24	L-4	Q107	B-4	RV28	N-2		
IC25	L-3	Q108	D-5*	RV702	E-5		
IC26	J-4	Q109	D-5				
IC27	H-6	Q110	D-5*	TH101	D-2		
IC28	F-6	Q111	D-5*	TH102	A-3		
IC31	H-5	Q112	F-4*				
IC611	J-2	Q113	F-4*	TP1	A-5		

* mark ; B SIDE mount

**FL-129P BOARD****A Side**

1-642-961-11 A SIDE

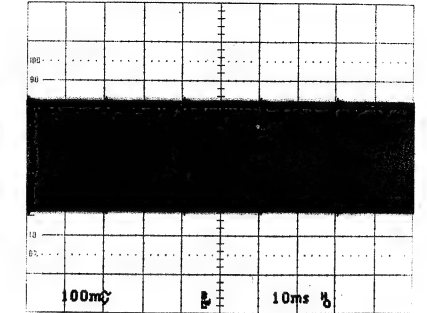
A Side is the same as Component Side

FL-129P BOARD**B Side**

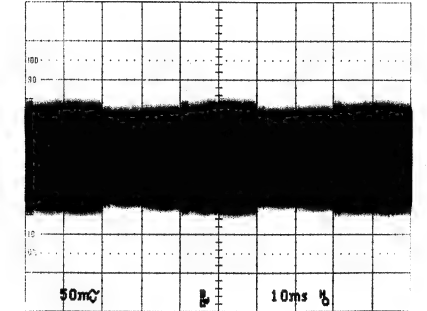
1-642-961-11 B SIDE

B Side is the same as Soldering Side

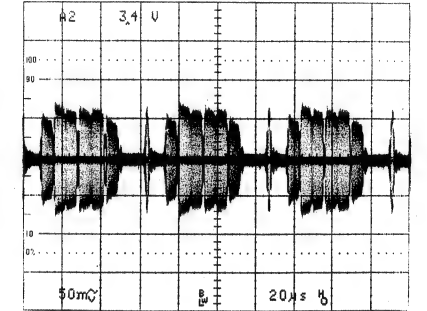
① TP12 (B-2) PB mode



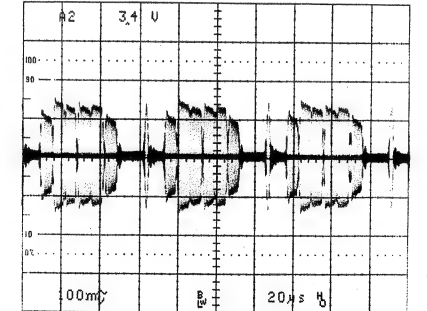
② TP1 (A-5) PB mode



③ TP52 (FL-129 Board) PB mode

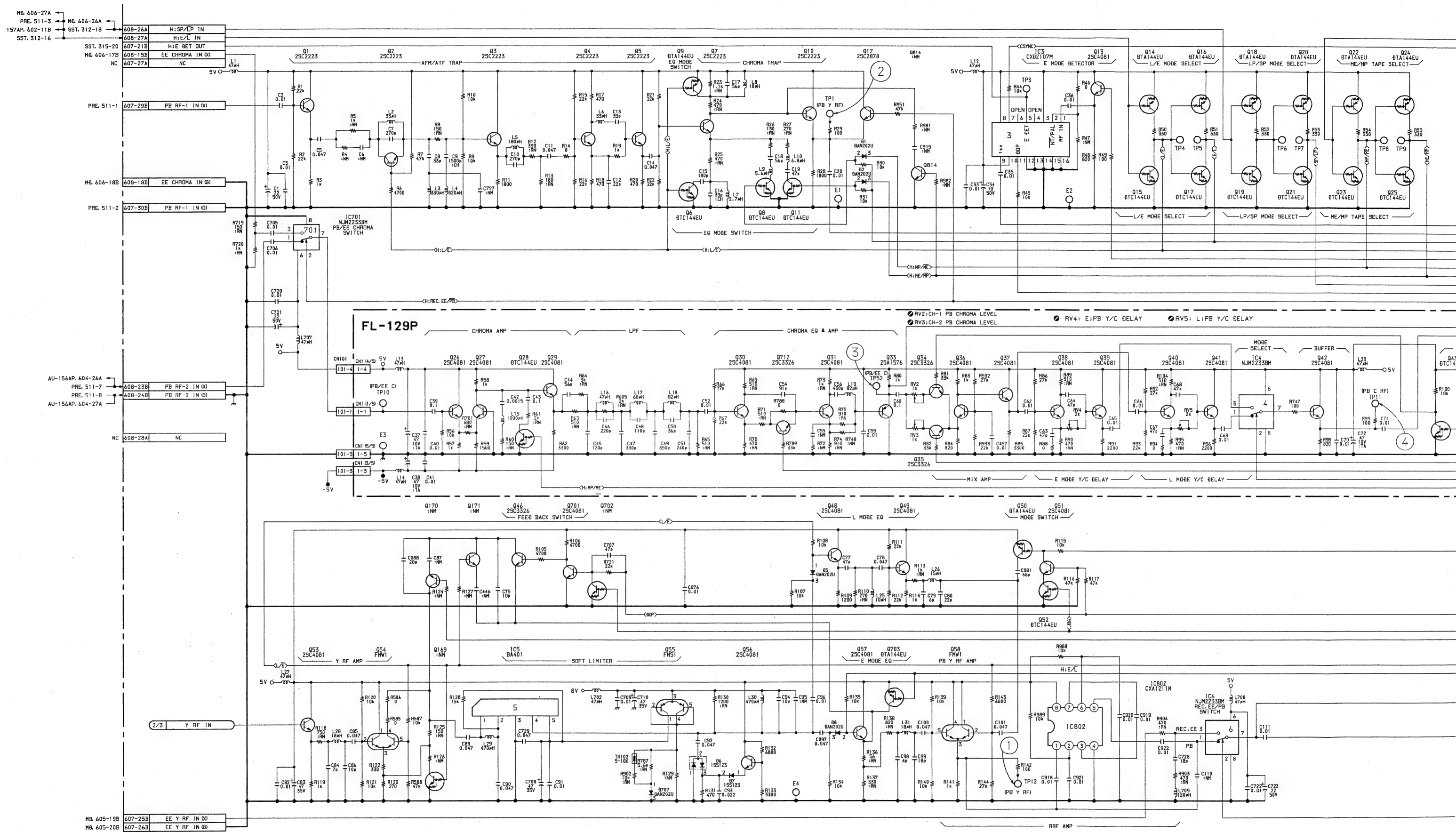


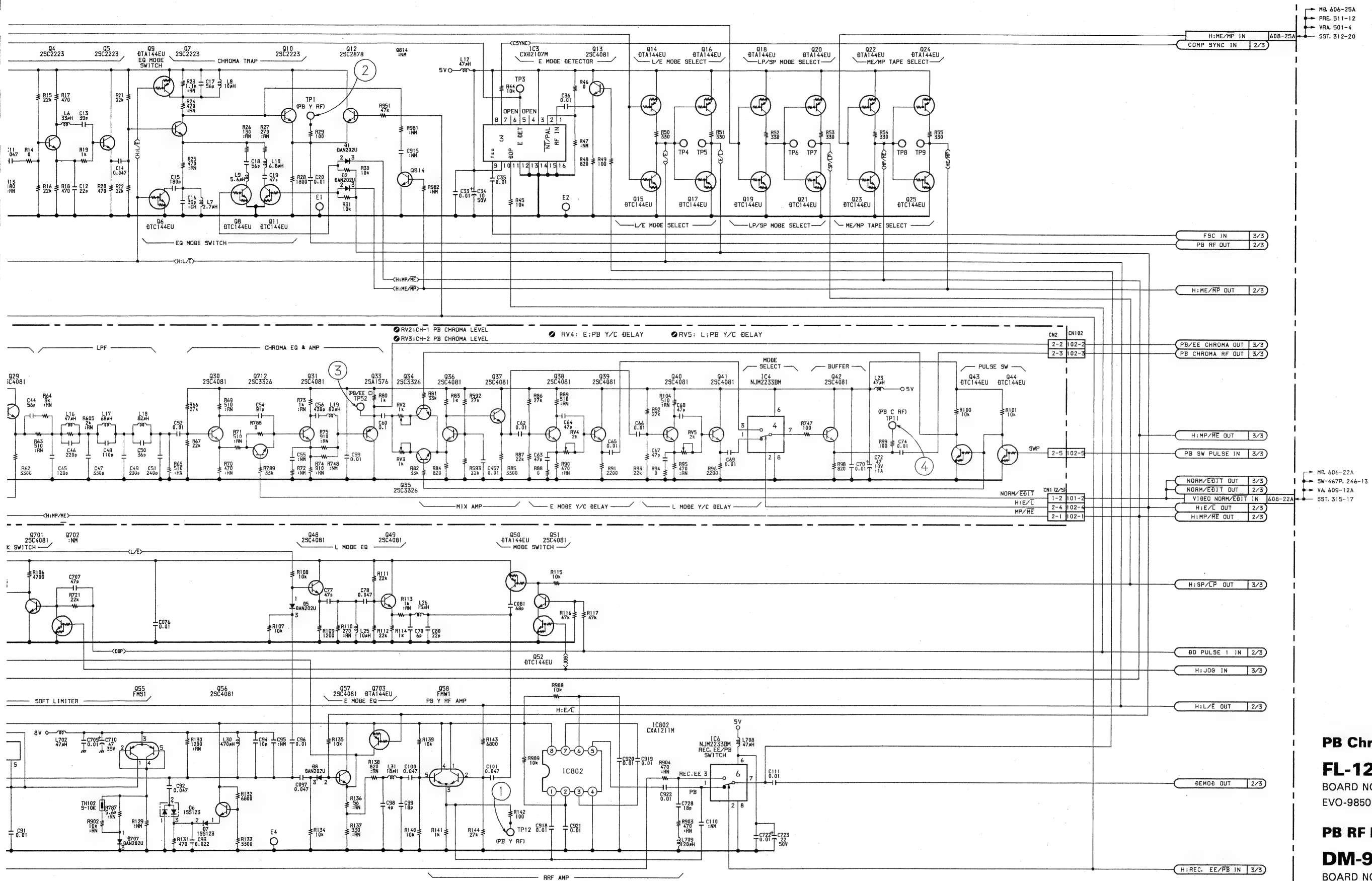
④ TP11 (FL-129 Board) PB mode

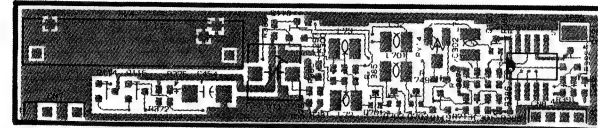
**Measurement Condition**

VIDEO IN: EBU color-bars

PB mode: (WR5-8CSE: color bars)

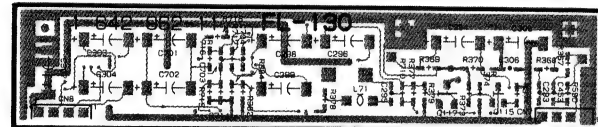




FL-130P BOARD**A Side**

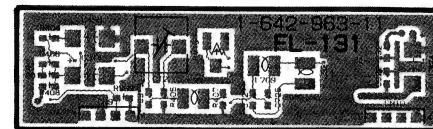
1-642-962-11 A SIDE

A Side is the same as Component Side

FL-130P BOARD**B Side**

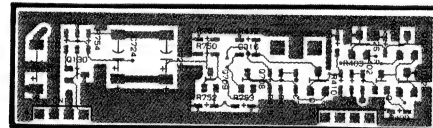
1-642-962-11 B SIDE

B Side is the same as Soldering Side

FL-131P BOARD**A Side**

1-642-963-11 A SIDE

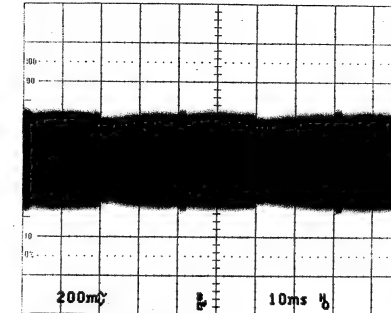
A Side is the same as Component Side

FL-131P BOARD**B Side**

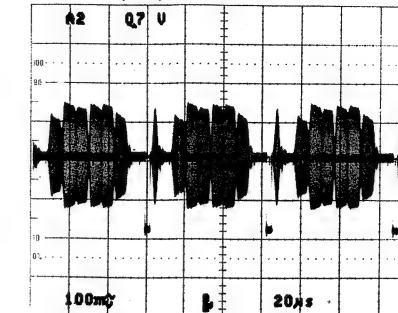
1-642-963-11 B SIDE

B Side is the same as Soldering Side

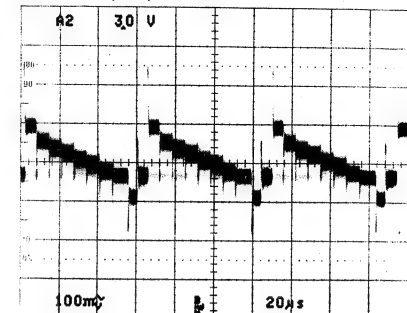
① TP28 (C-4) PB mode



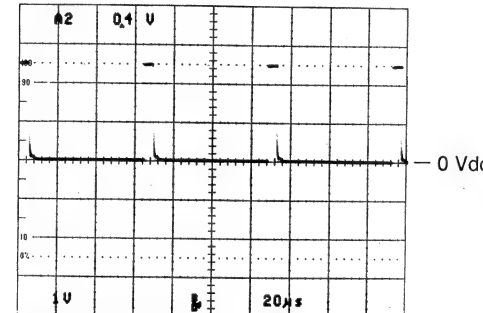
⑤ TP24 (C-3) PB mode



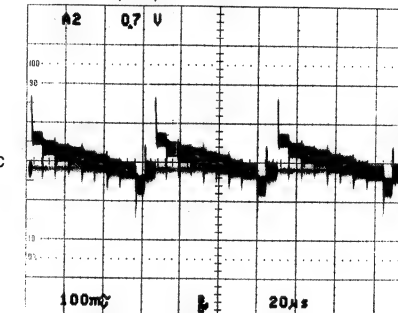
⑨ TP19 (E-4) PB mode



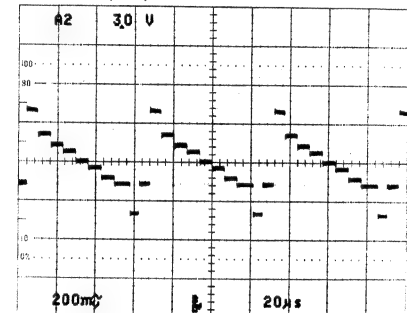
② IC17 pin 25 (C-4) PB mode



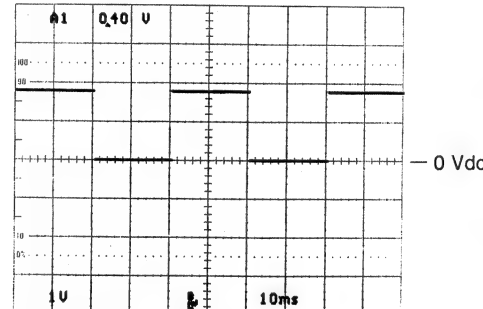
⑥ TP18 (E-5) PB mode



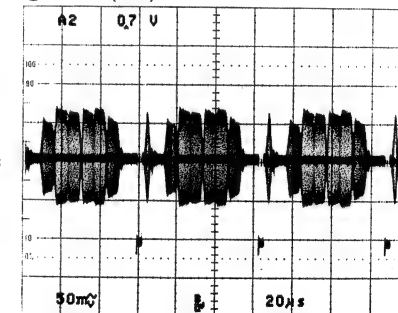
⑩ TP22 (F-1) PB mode



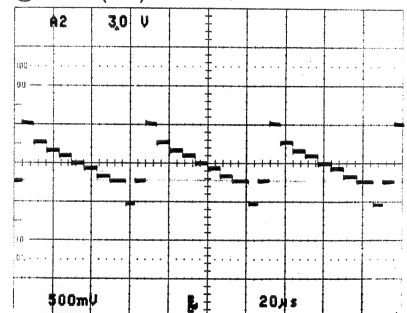
③ TP31 (C-4) PB mode



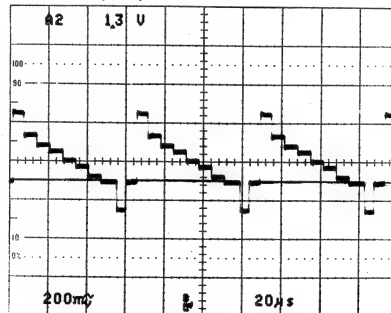
⑦ TP25 (D-3) PB mode



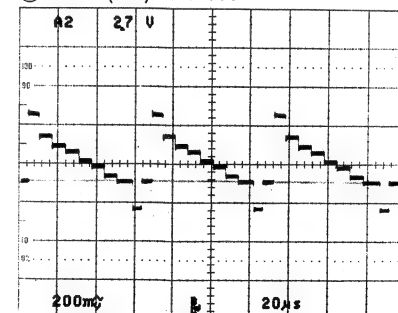
⑪ TP23 (E-4) PB mode



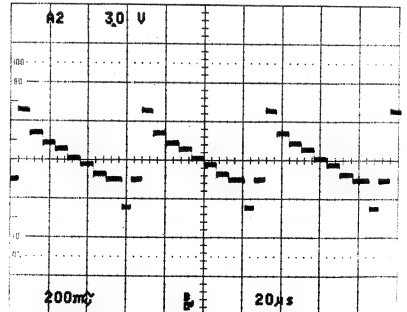
④ TP32 (D-4) PB mode



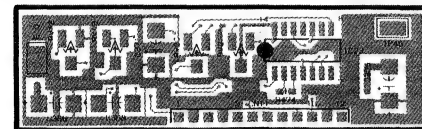
⑧ TP21 (F-1) PB mode



⑫ TP35 (FL-130P Board) PB mode

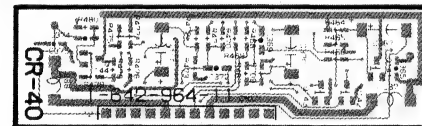


Measurement Condition
 VIDEO IN: EBU color-bars
 PB mode: (WR5-8CSE: color bars)

CR-40 BOARD**A Side**

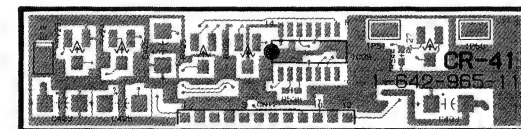
1-642-964-11 A SIDE

A Side is the same as Component Side

CR-40 BOARD**B Side**

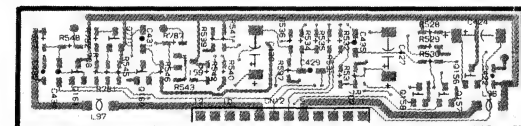
1-642-964-11 B SIDE

B Side is the same as Soldering Side

CR-41 BOARD**A Side**

1-642-965-11 A SIDE

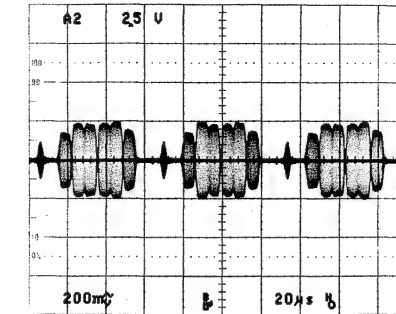
A Side is the same as Component Side

CR-41 BOARD**B Side**

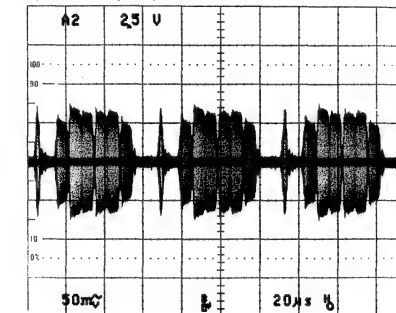
1-642-965-11 B SIDE

B Side is the same as Soldering Side

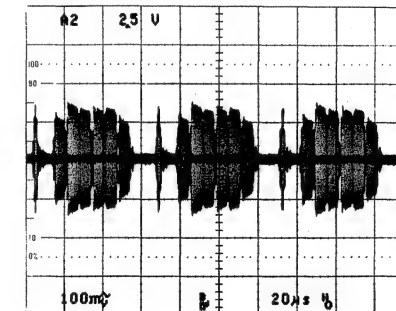
① TP41 (L-4) PB mode



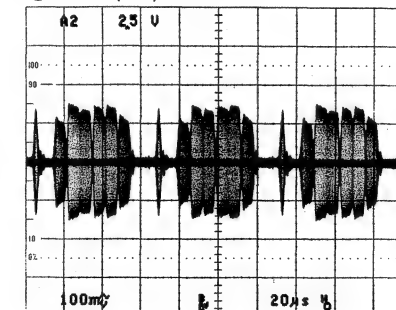
② TP42 (K-4) PB mode



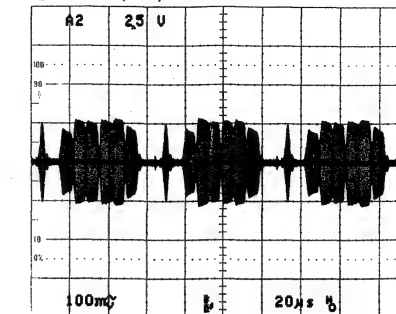
③ TP43 (L-4) PB mode



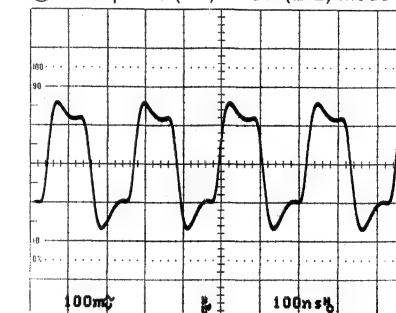
④ TP45 (K-2) PB mode



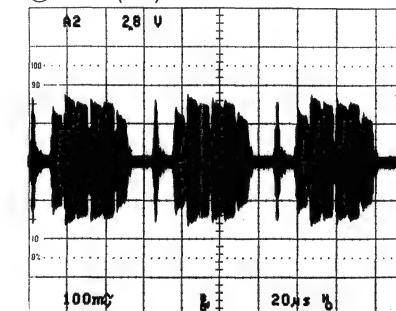
⑤ TP46 (K-2) PB mode



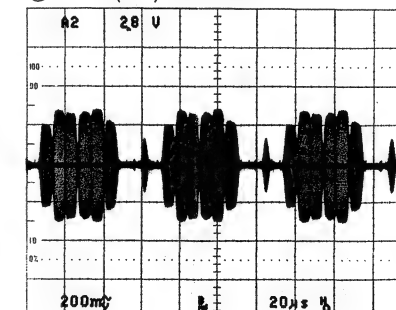
⑥ IC25 pin 10 (L-3) STOP (E-E) mode



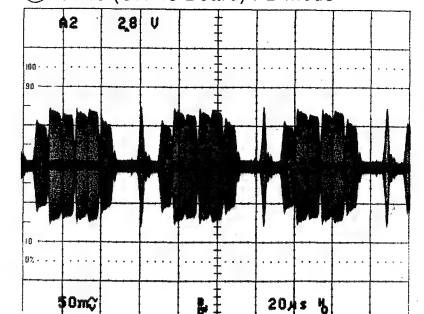
⑦ TP48 (K-2) PB mode



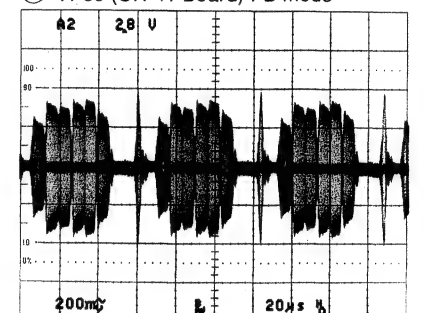
⑧ TP15 (N-4) PB mode



⑨ TP40 (CR-40 Board) PB mode



⑩ TP50 (CR-41 Board) PB mode

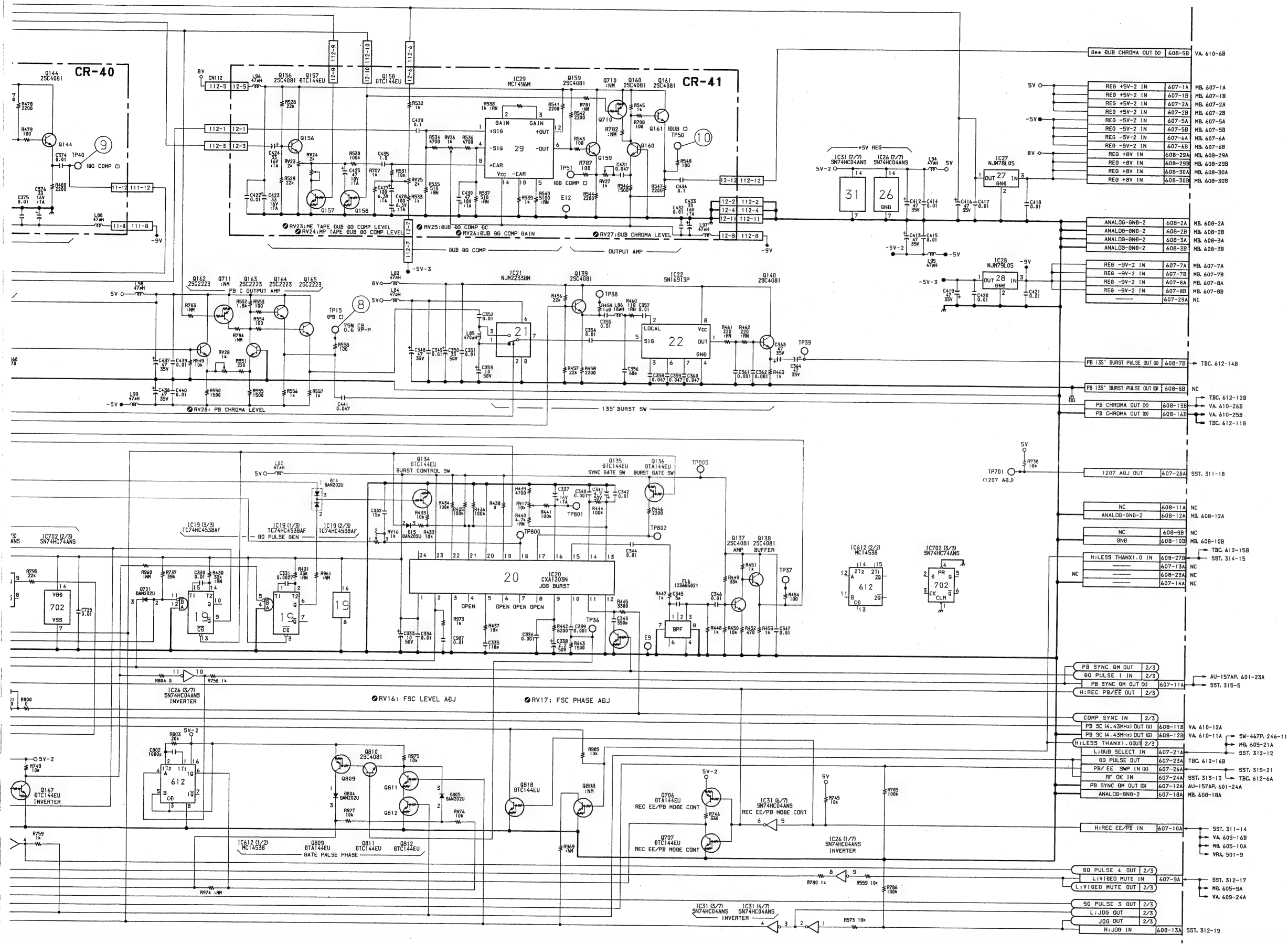
**Measurement Condition**

VIDEO IN: EBU color-bars

PB mode: (WR5-8CSE: color bars)

STOP (E-E) mode



**DG Compensator (LINE)****CR-40 BOARD**

BOARD NO. 1-642-964-11

EVO-9850P (EK) : #10001 -

DG Compensator (DUB)**CR-41 BOARD**

BOARD NO. 1-642-965-11

EVO-9850P (EK) : #10001 -

PB Chroma Process**DM-92 BOARD (3/3)**

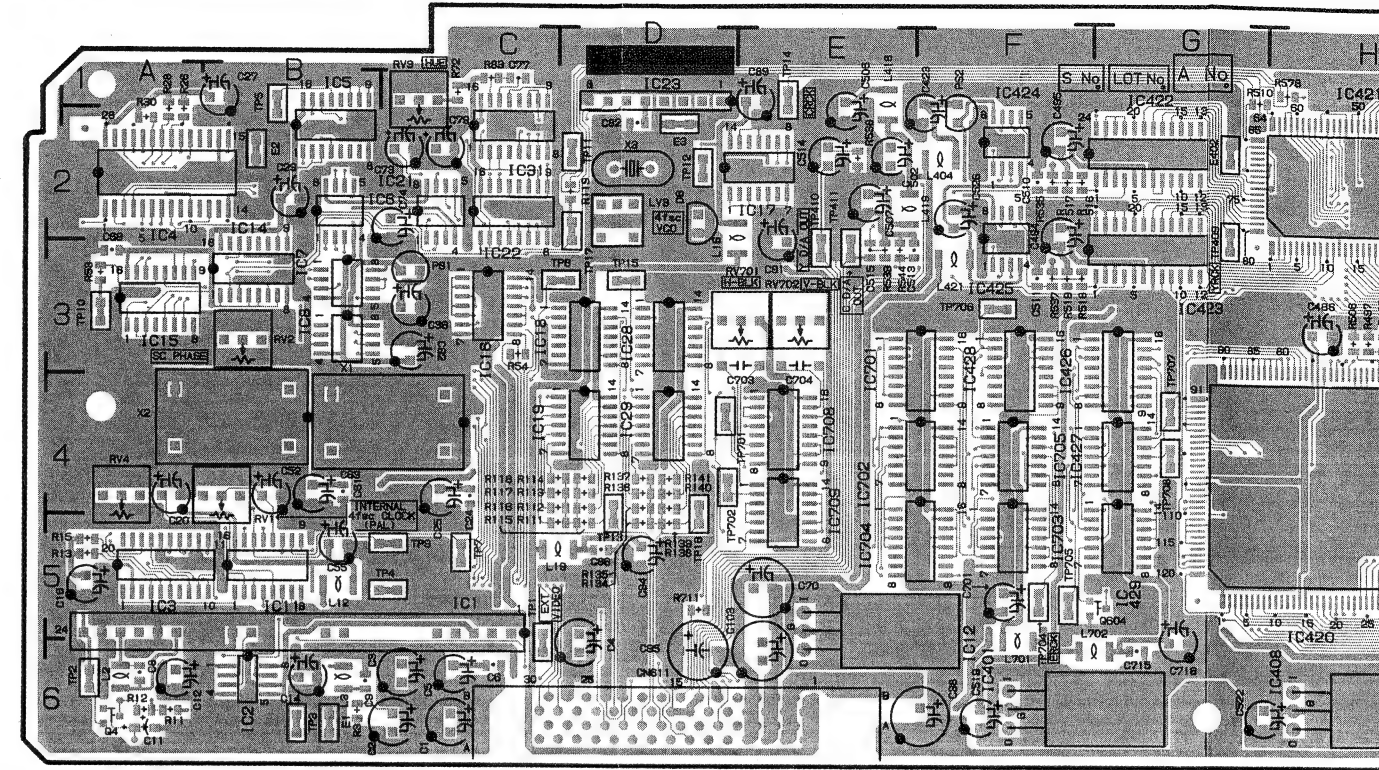
BOARD NO. 1-647-605-11

EVO-9850P (EK) : #10001 -

TBC-27 (1-647-603-11)

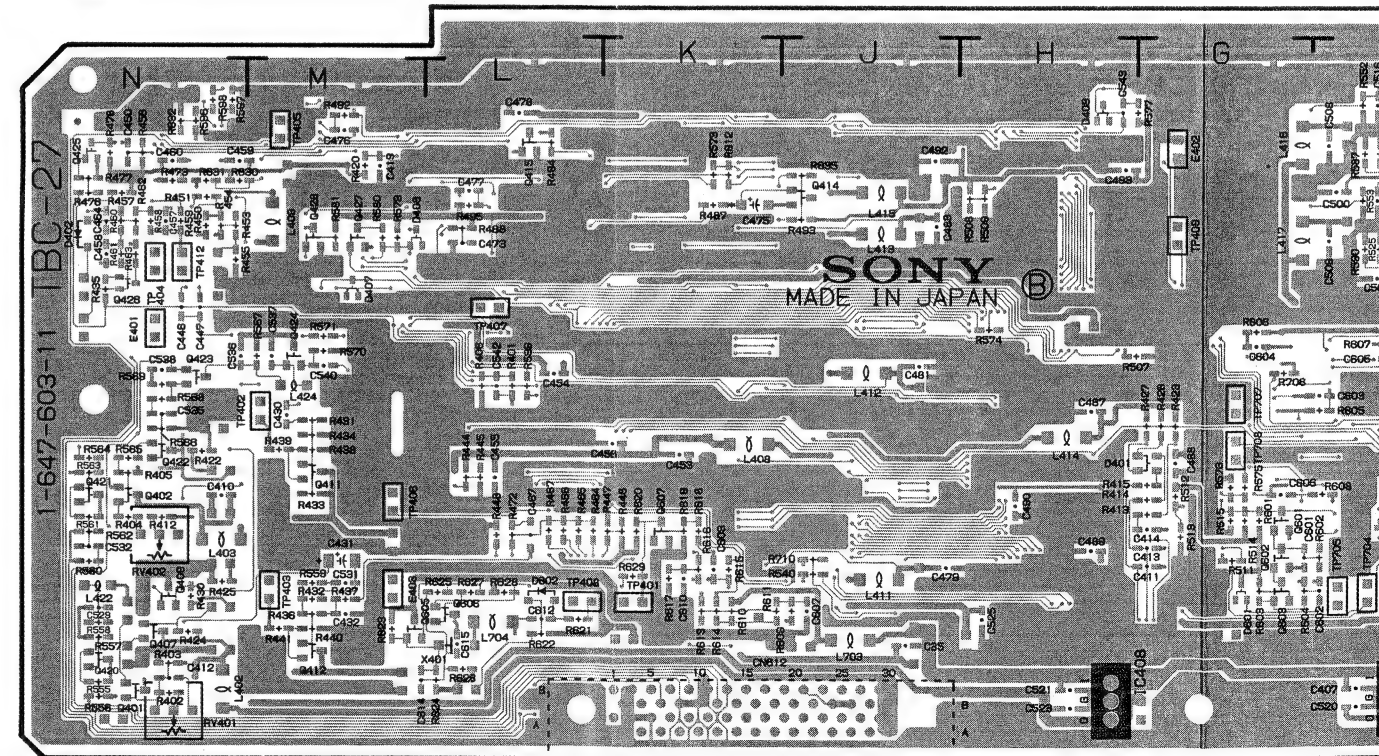
CN611	D-6	IC422	G-2	RV2	B-3
CN612	K-6	IC423	G-3	RV3	C-1
		IC424	F-2	RV401	N-6
CV401	N-3	IC425	F-3	RV402	N-5
CV402	L-6	IC426	F-3	RV701	E-3
		IC427	F-4	RV702	E-3
D2	B-6*	IC428	F-3		
D3	A-6*	IC429	F-4	TH1	B-2*
D6	D-2	IC430	K-5		
D401	G-4*	IC701	E-3	TP1	C-6
D402	N-2*	IC702	E-4	TP2	A-6
D407	M-3*	IC703	F-4	TP3	B-6
D408	M-3*	IC704	E-4	TP4	C-5
D409	H-2*	IC705	F-4	TP5	B-1
D601	G-5*	IC708	E-4	TP6	D-3
D602	L-5*	IC709	E-4	TP7	C-5
				TP9	C-5
E1	B-6	LV3	D-2	TP10	A-3
E2	B-2			TP11	D-2
E3	D-2	PS1	C-3	TP12	D-2
E401	N-3	PS2	F-2	TP13	D-4
E402	G-2			TP14	E-1
E403	M-5	Q1	C-6*	TP15	D-3
		Q2	C-5*	TP16	D-4
FB1	A-4*	Q3	A-6*	TP17	D-2
FB2	E-2*	Q4	A-6	TP401	K-5
		Q5	B-6*	TP402	M-4
IC1	C-5	Q6	B-5*	TP403	M-5
IC2	B-6	Q8	B-5*	TP404	N-3
IC3	A-5	Q9	C-3*	TP405	M-2
IC4	A-2	Q11	D-2*	TP406	M-4
IC5	B-2	Q12	D-2*	TP407	L-3
IC6	B-2	Q13	D-2*	TP408	L-5
IC7	B-3	Q14	E-2*	TP409	G-2
IC8	B-3	Q401	N-6*	TP410	E-3
IC11	B-5	Q402	N-4*	TP411	E-3
IC12	E-5	Q403	N-6	TP412	N-3
IC14	B-3	Q404	N-5	TP701	D-4
IC15	A-3	Q405	N-6	TP702	D-4
IC16	C-3	Q406	N-4	TP704	F-5
IC17	D-2	Q407	N-5*	TP705	F-5
IC18	D-3	Q408	N-4	TP706	F-3
IC19	D-4	Q409	N-5*	TP707	G-4
IC21	C-2	Q411	M-4*	TP708	G-4
IC22	C-2	Q412	M-6*		
IC23	D-1	Q414	J-2*	X1	C-4
IC28	D-3	Q415	L-2*	X2	B-4
IC29	D-4	Q416	E-2*	X3	D-2
IC31	C-2	Q417	E-2*	X401	L-6
IC401	F-6	Q418	E-2*		
IC402	M-2	Q419	E-3*		
IC403	M-5	Q420	N-6*		
IC404	M-4	Q421	N-4*		
IC405	M-2	Q422	N-4*		
IC406	L-4	Q423	N-4*		
IC407	N-2	Q424	M-3*		
IC408	H-6	Q425	N-2*		
IC409	L-2	Q427	M-3*		
IC410	K-2	Q428	M-3*		
IC411	K-2	Q601	G-5*		
IC412	L-2	Q602	G-5*		
IC413	L-2	Q603	G-5*		
IC414	M-3	Q604	G-5		
IC415	J-4	Q605	M-5*		
IC416	J-3	Q606	L-5*		
IC417	J-1	Q607	K-5*		
IC418	L-2	Q616	N-3		
IC420	H-4				
IC421	H-2	RV1	B-4		

* mark ; B SIDE mount

TBC-27 BOARD
A Side

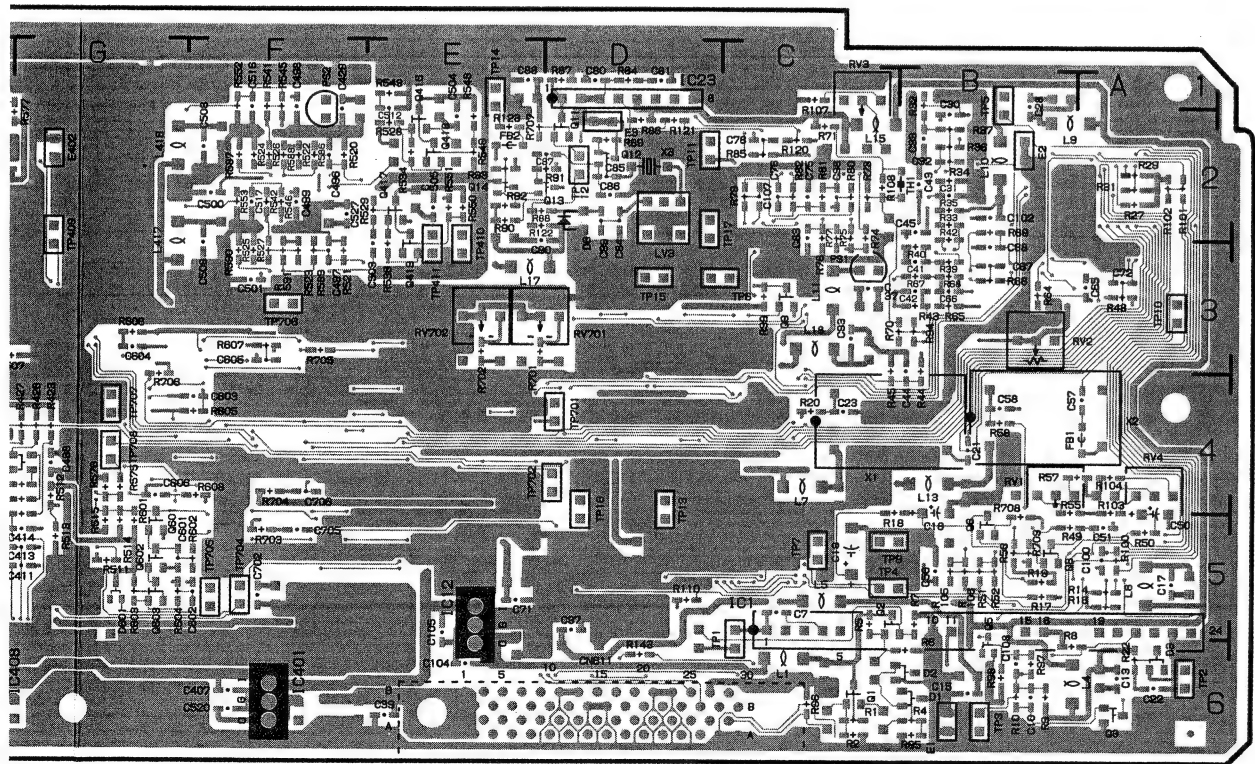
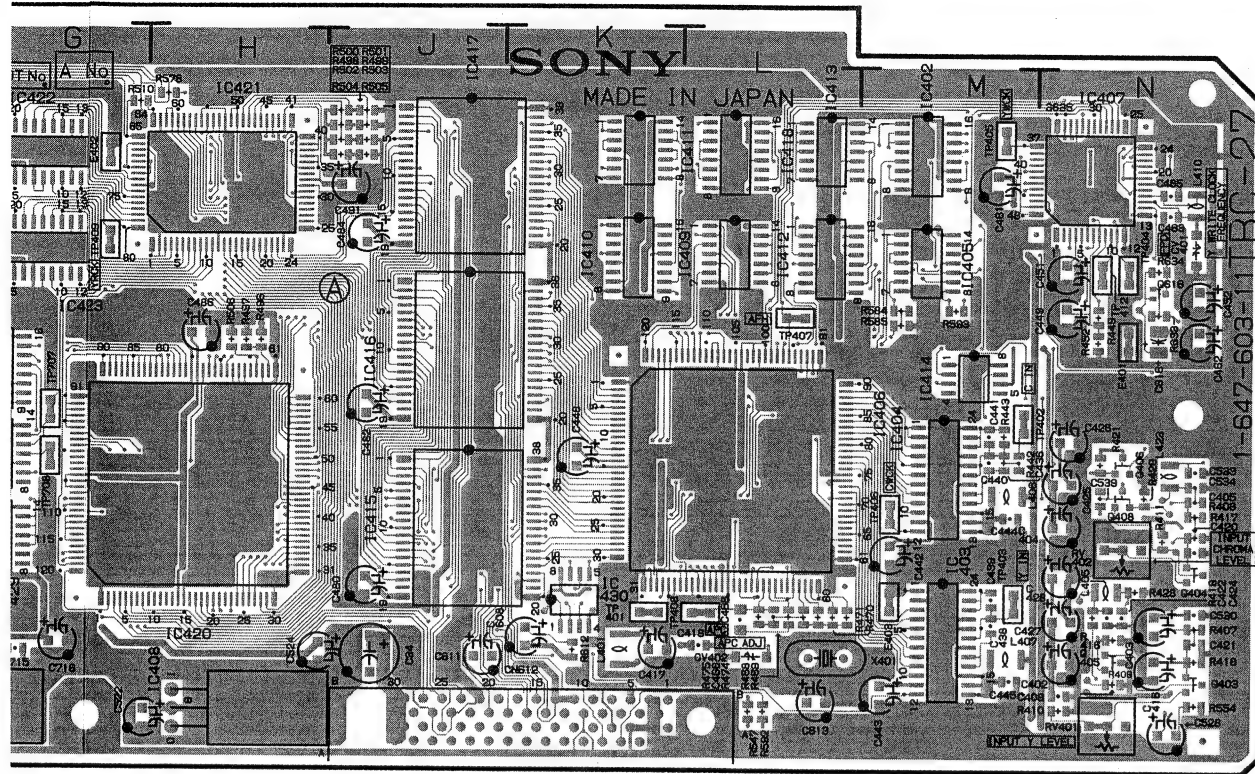
1-642-603-11 A SIDE

A Side is the same as Component Side

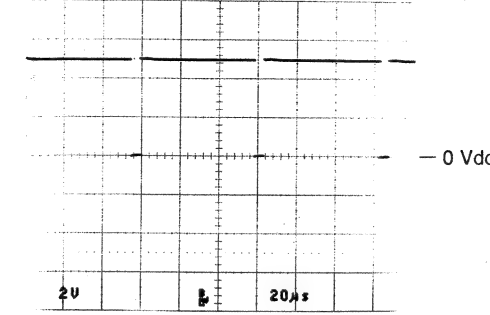
TBC-27 BOARD
B Side

1-642-603-11 B SIDE

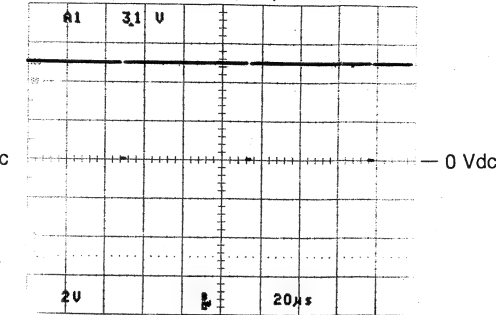
B Side is the same as Soldering Side



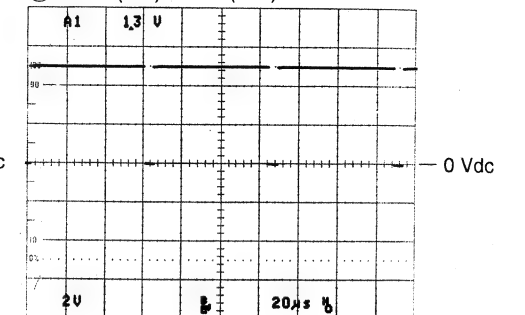
① TP6 (D-3) STOP (E-E) mode



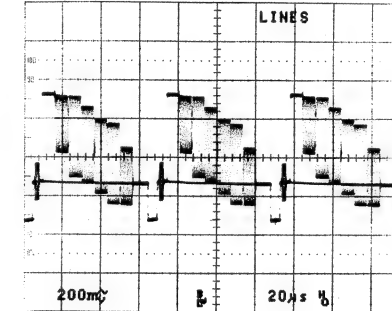
⑤ TP15 (D-3) STOP (E-E) mode



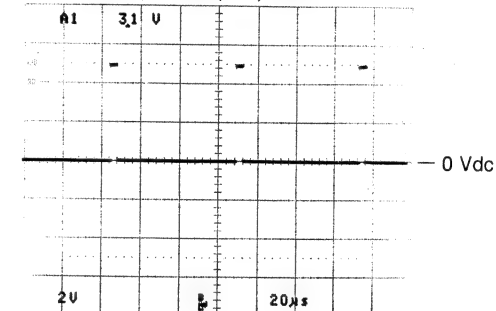
⑨ TP13 (D-4) STOP (E-E) mode



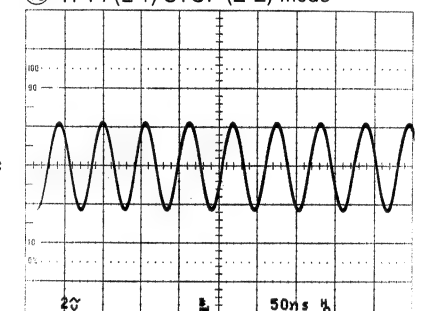
② TP1 (C-6) STOP (E-E) mode



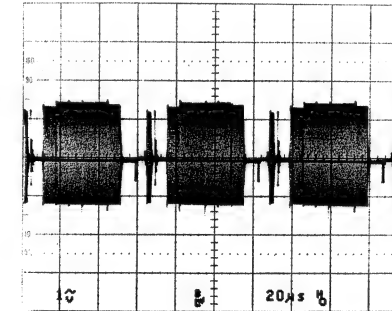
⑥ TP5 (B-1) STOP (E-E) mode



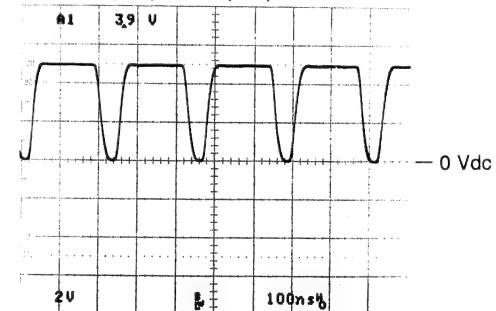
⑩ TP14 (E-1) STOP (E-E) mode



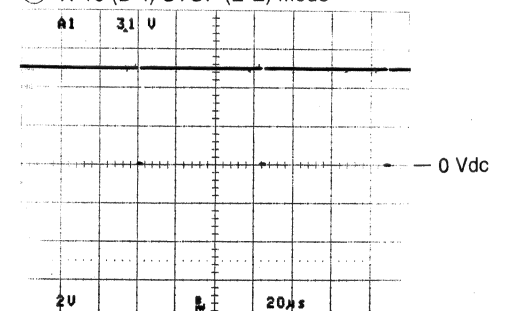
③ TP2 (A-6) STOP (E-E) mode



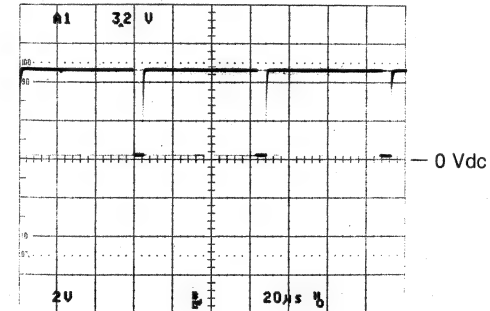
⑦ TP11 (D-2) STOP (E-E) mode



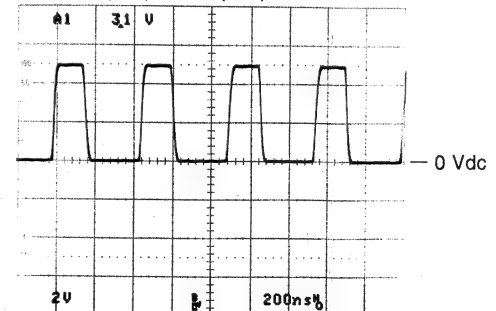
⑪ TP16 (D-4) STOP (E-E) mode



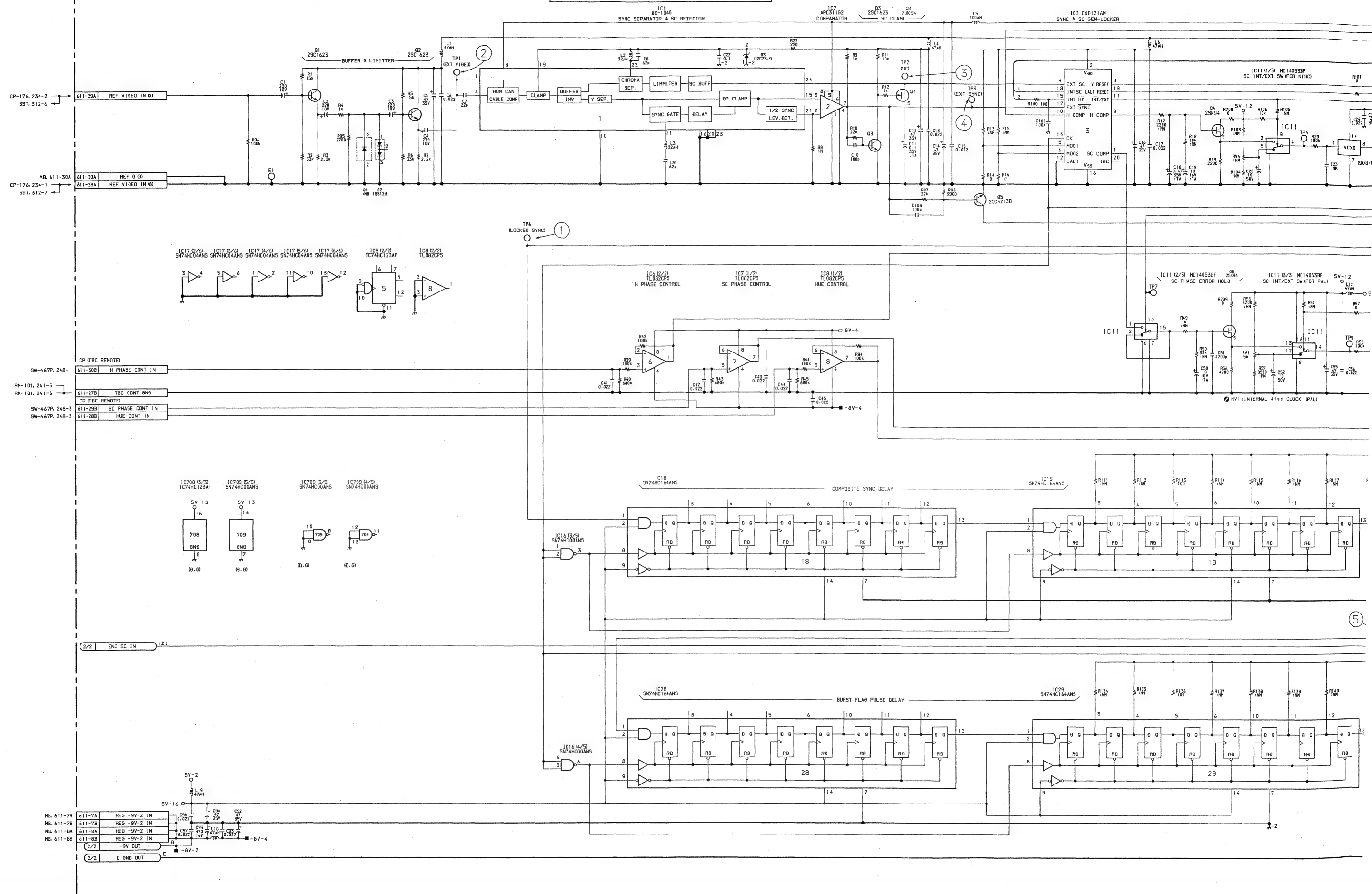
④ TP3 (B-6) STOP (E-E) mode



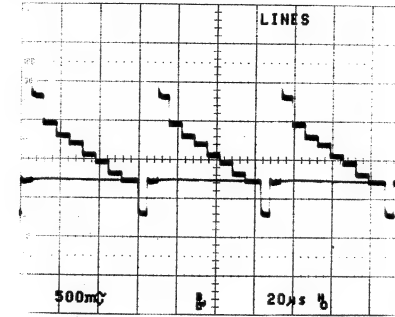
⑧ TP10 (A-3) STOP (E-E) mode



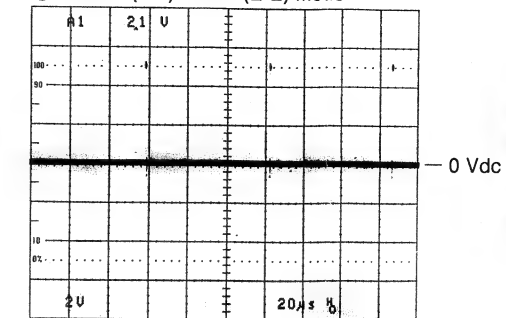
Measurement Condition
VIDEO IN: EBU color-bars
STOP (E-E) mode



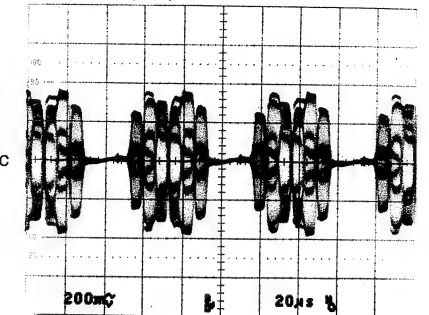
① TP403 (M-5) PB mode



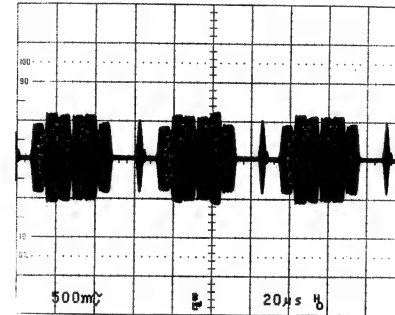
⑤ TP407 (L-3) STOP (E-E) mode



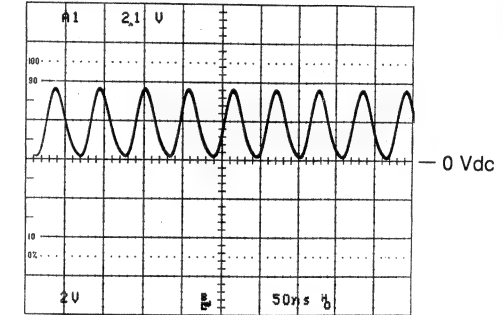
⑨ TP411 (E-3) PB mode



② TP402 (M-4) PB mode

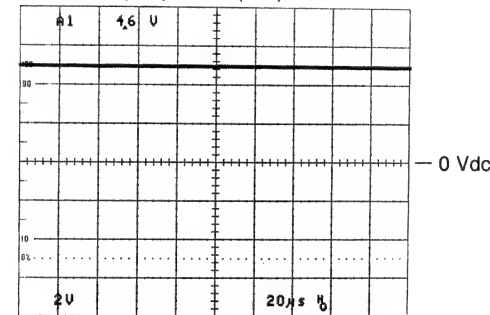


⑥ TP406 (M-4) STOP (E-E) mode

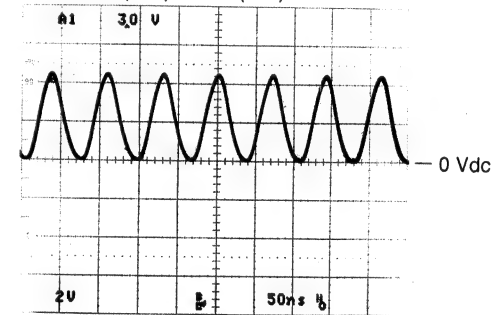


Measurement Condition
 VIDEO IN: EBU color-bars
 PB mode: (WR5-8CSE: color bars)
 STOP (E-E) mode

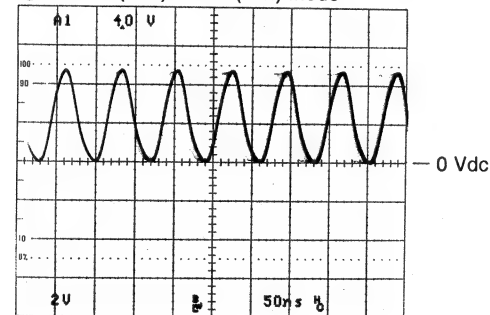
③ TP404 (N-3) STOP (E-E) mode



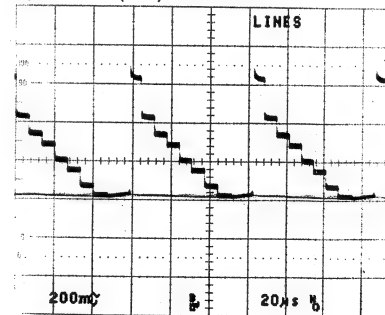
⑦ TP409 (G-2) STOP (E-E) mode

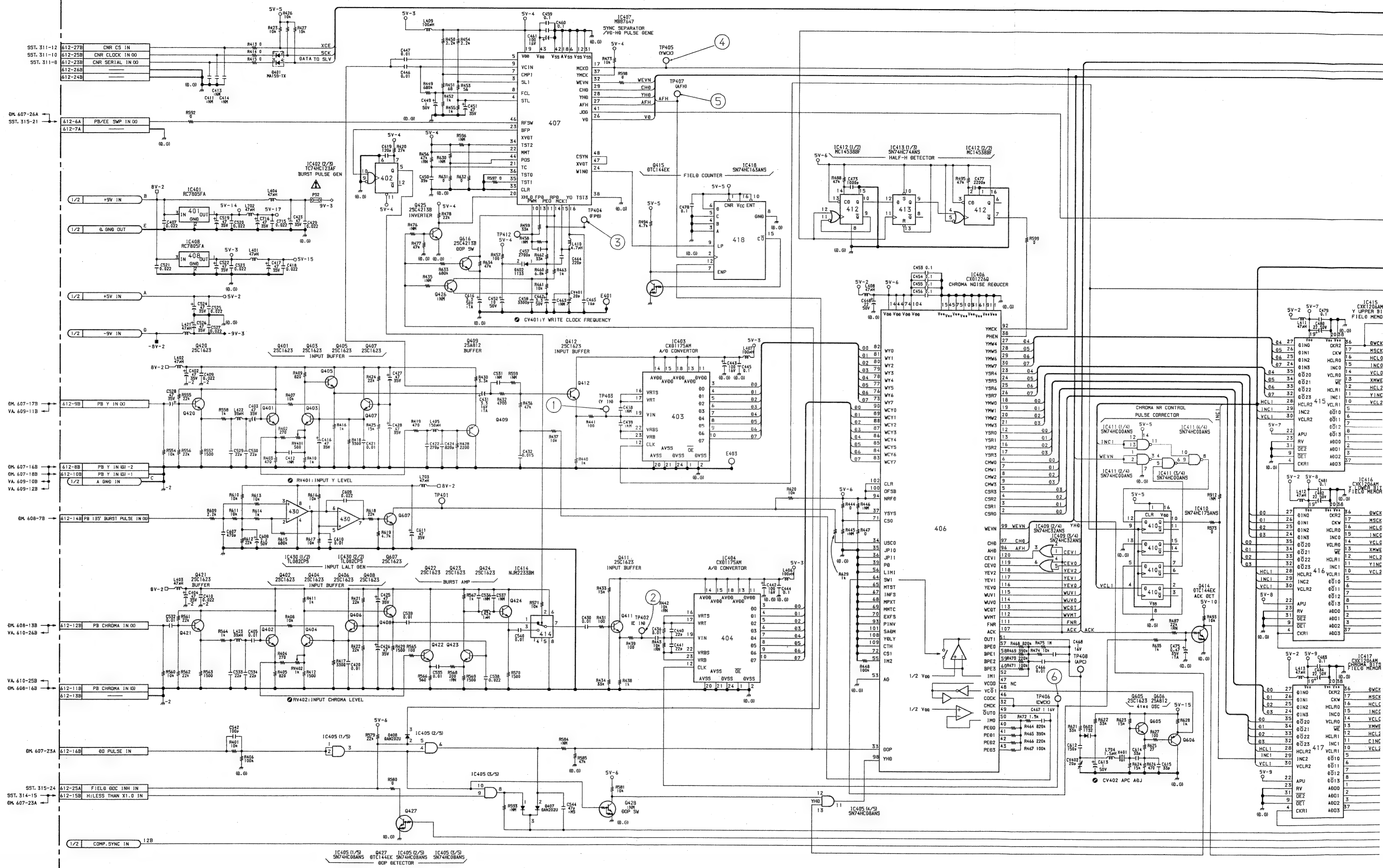


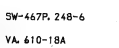
④ TP405 (M-2) STOP (E-E) mode



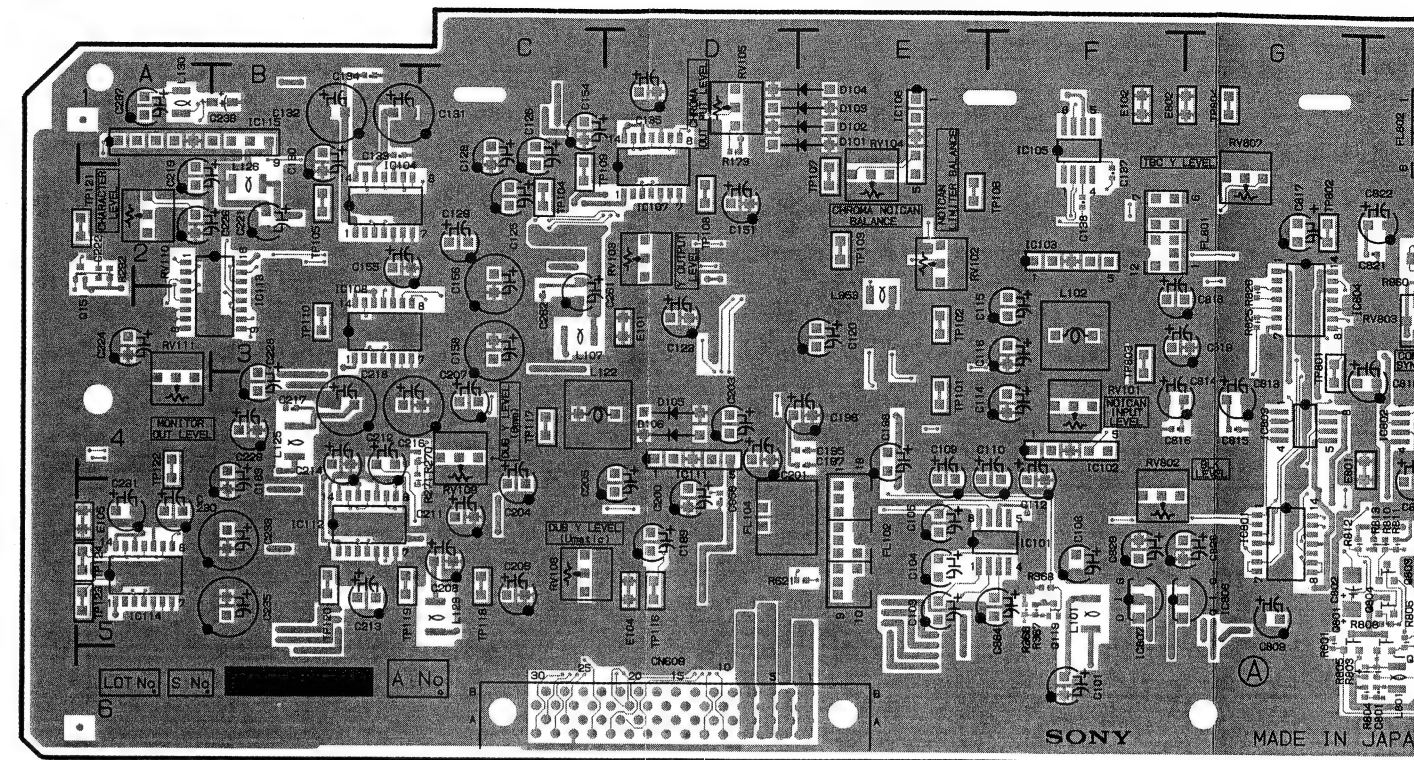
⑧ TP410 (E-3) PB mode







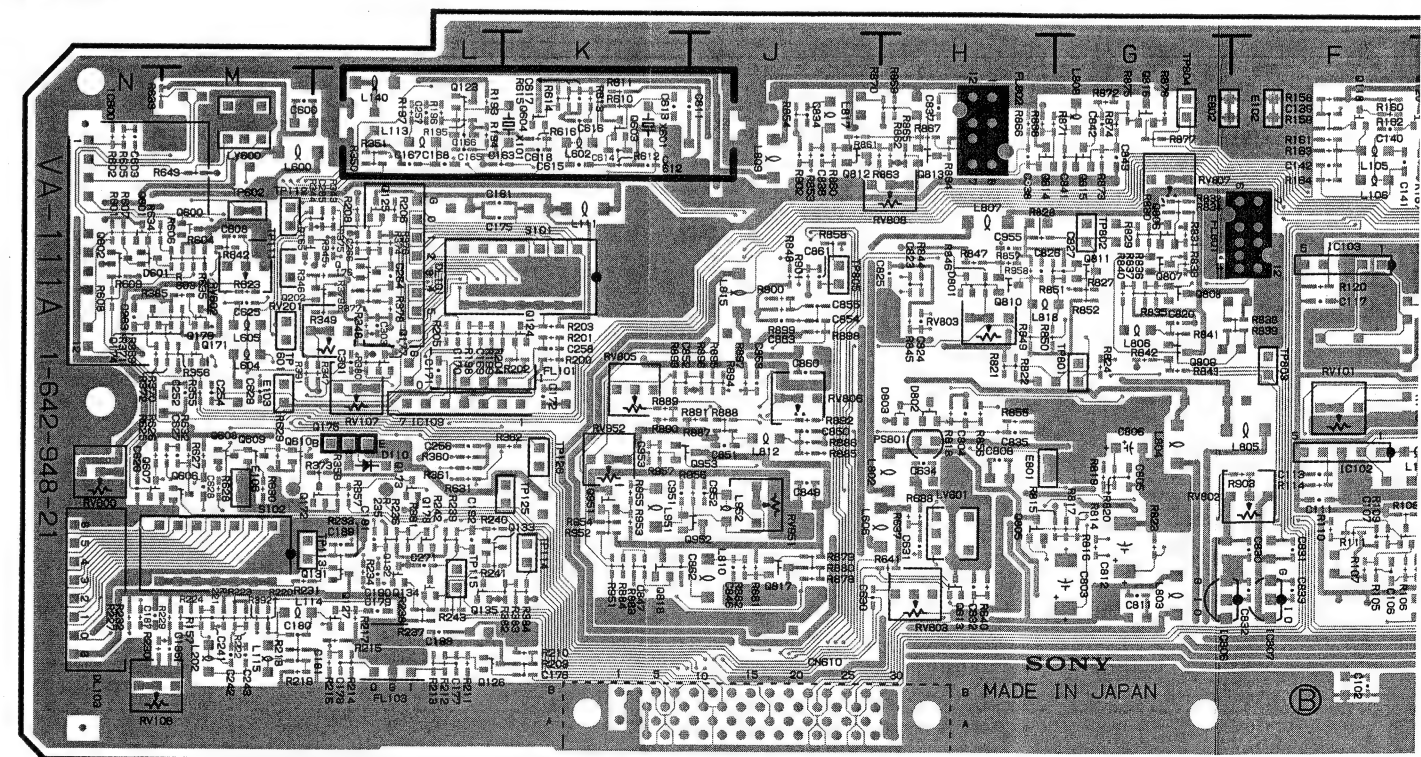
VA-111AP BOARD
A Side



1-642-948-21 A SIDE

A Side is the same as Component Side

VA-111AP BOARD
B Side



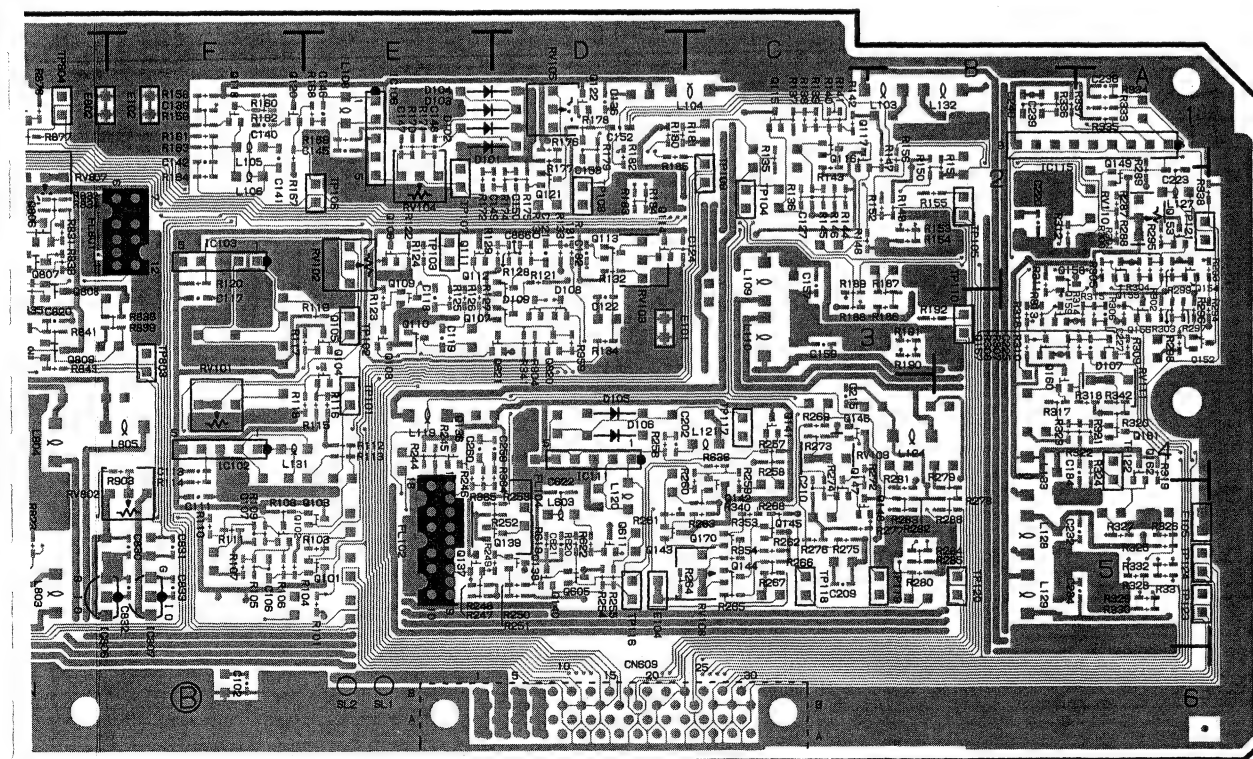
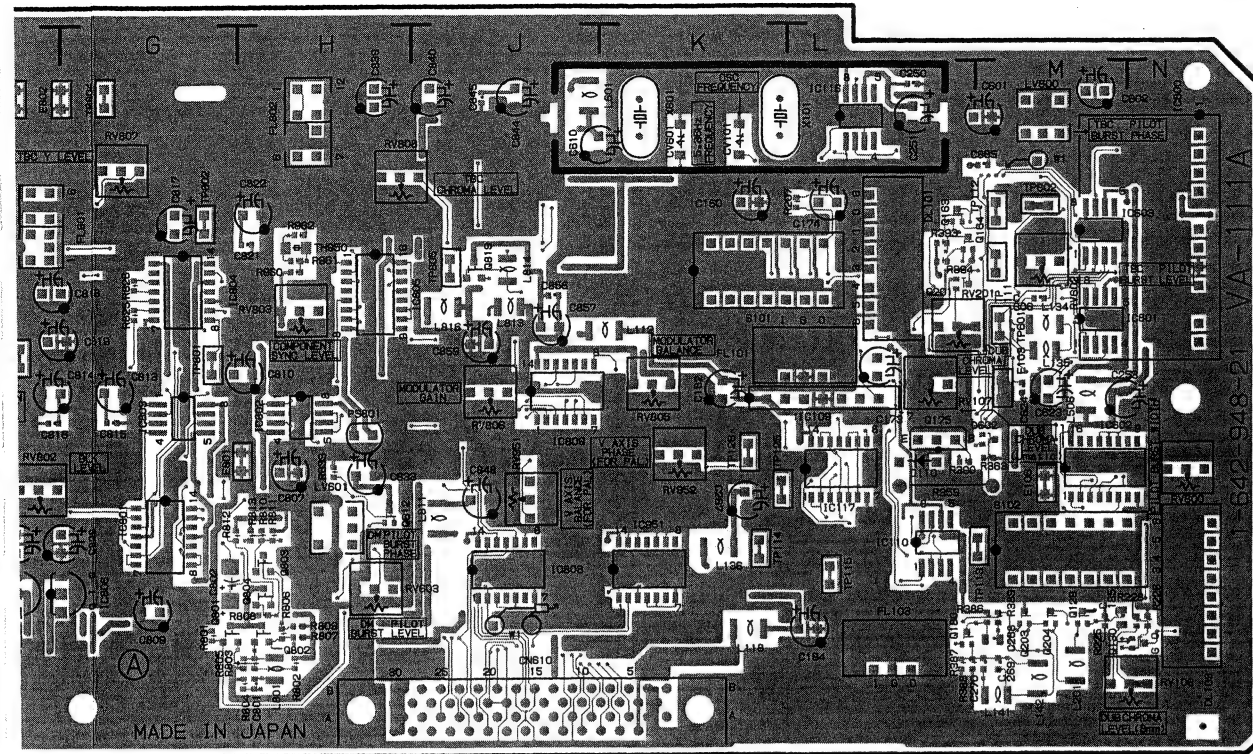
1-642-948-21 B SIDE

B Side is the same as Soldering Side

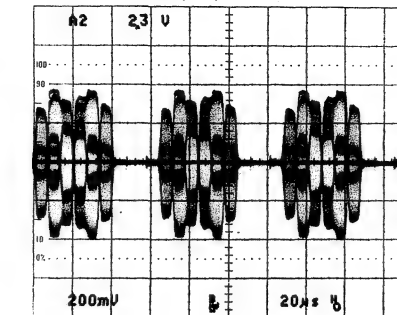
VA-111AP (1-642-948-21)

CN609	D-6	IC809	J-4	Q173	L-5*	RV808	H-2
CN610	J-6	IC951	K-5	Q174	N-3*	RV951	J-5
				Q175	L-4	RV952	K-4
CV101	K-1	LV600	M-1	Q176	L-2*		
CV601	K-1	LV601	H-5	Q177	L-3*	S101	K-2
				Q178	L-5*	S102	M-5
D101	E-1	PS801	H-4	Q179	M-3*		
D102	E-1			Q180	L-5	TP101	E-4
D103	E-1	Q101	E-5*	Q201	L-2	TP102	E-3
D104	E-1	Q102	F-5*	Q202	L-3*	TP103	E-2
D105	D-4	Q103	E-5*	Q203	M-5	TP104	C-2
D106	D-4	Q104	E-3*	Q204	M-5	TP105	B-2
D107	A-3*	Q105	E-3*	Q600	M-2*	TP106	E-2
D108	D-3*	Q106	E-2*	Q601	N-2*	TP107	E-2
D110	L-4	Q107	D-3*	Q602	N-2*	TP108	D-2
D601	N-2*	Q111	E-2*	Q603	K-1*	TP109	C-2
D602	M-4	Q112	D-2*	Q604	K-1*	TP110	B-3
D801	H-2*	Q113	D-2*	Q605	D-5*	TP111	M-2
D802	H-4*	Q114	D-2*	Q606	M-5*	TP112	M-2
D803	H-4*	Q115	C-1*	Q607	N-5*	TP113	M-5
		Q116	C-1*	Q608	M-4*	TP114	K-5
DL101	L-2	Q117	C-1*	Q609	M-4*	TP115	L-5
DL103	N-5	Q118	F-1*	Q610	M-4*	TP116	D-5
		Q119	F-5	Q611	D-5*	TP117	C-4
E101	D-3	Q120	F-1*	Q612	H-5	TP118	C-5
E102	F-1	Q121	D-2*	Q613	H-5*	TP119	B-5
E103	M-4	Q122	D-1*	Q801	G-5	TP120	B-5
E104	D-5	Q123	L-1*	Q802	H-5	TP121	A-2
E105	A-5	Q124	K-3*	Q803	H-5	TP122	A-4
E106	M-5	Q125	L-2*	Q804	H-5	TP123	A-5
E801	H-4	Q126	L-6*	Q805	H-5*	TP124	A-5
E802	G-1	Q127	L-5*	Q806	G-2*	TP125	K-5
		Q129	M-5	Q807	G-2*	TP126	K-4
FL101	L-4	Q130	N-5	Q808	G-2*	TP601	M-3
FL102	E-5	Q131	L-5*	Q809	G-3*	TP602	M-2
FL103	L-6	Q132	L-5*	Q810	H-2*	TP801	G-3
FL104	D-5	Q133	L-5*	Q811	G-2*	TP802	G-2
FL801	F-2	Q134	L-5*	Q812	J-1*	TP803	F-3
FL802	H-1	Q135	L-5*	Q813	H-1*	TP804	G-1
		Q136	E-4*	Q814	H-1*	TP805	J-2
IC101	E-5	Q138	D-5*	Q815	G-1*		
IC102	F-4	Q139	D-5*	Q816	G-1*	X101	K-1
IC103	F-2	Q141	C-4*	Q817	J-5*	X601	K-1
IC104	B-2	Q142	C-5*	Q818	K-5*		
IC105	F-2	Q143	D-5*	Q819	J-2		
IC106	E-1	Q144	C-5*	Q951	K-5*		
IC107	D-2	Q145	C-5*	Q952	J-5*		
IC108	B-3	Q146	C-4*	Q953	K-4*		
IC109	K-4	Q147	C-5*				
IC110	L-5	Q148	C-5*	RV101	F-4		
IC111	D-4	Q149	A-2*	RV102	E-2		
IC112	B-5	Q151	A-2	RV103	D-2		
IC113	A-2	Q152	A-3*	RV104	E-2		
IC114	A-5	Q153	A-2*	RV105	D-1		
IC115	A-1	Q154	A-2*	RV106	N-6		
IC116	L-1	Q155	A-2*	RV107	L-4		
IC117	L-5	Q156	A-3*	RV108	C-5		
IC600	N-1	Q157	B-3*	RV109	C-4		
IC601	M-3	Q158	B-2*	RV110	A-2		
IC602	M-5	Q159	B-3*	RV111	A-4		
IC603	M-2	Q160	B-4*	RV201	L-3		
IC801	G-5	Q161	A-4*	RV600	N-4		
IC802	H-4	Q162	A-4*	RV602	H-5		
IC803	G-4	Q163	L-2	RV603	H-5		
IC804	G-2	Q164	L-2	RV802	F-5		
IC805	H-2	Q165	M-2*	RV803	H-3		
IC806	G-5	Q170	C-5*	RV805	K-4		
IC807	F-5	Q171	M-3*	RV806	J-4		
IC808	J-5	Q172	L-5*	RV807	G-2		

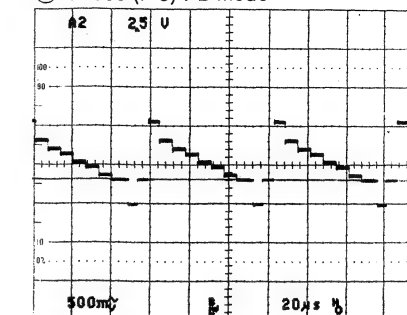
* mark ; B SIDE mount



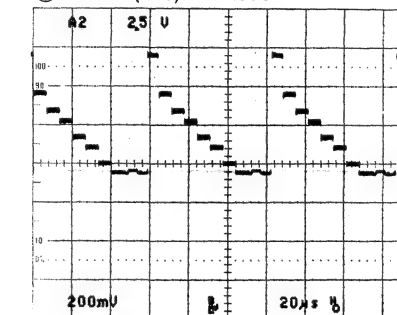
① CN610-19B (J-6) PB mode



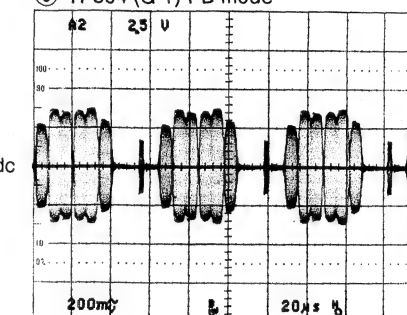
⑤ TP803 (F-3) PB mode



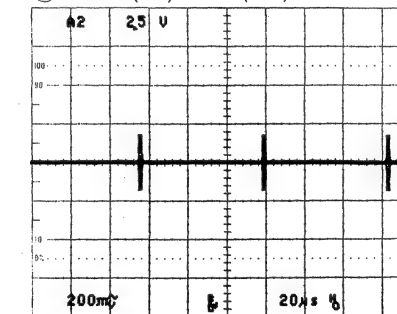
② TP801 (G-3) PB mode



⑥ TP804 (G-1) PB mode



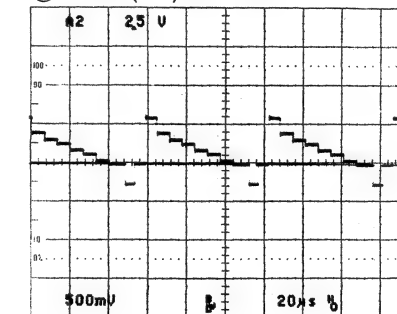
③ TP805 (J-2) STOP (E-E) mode

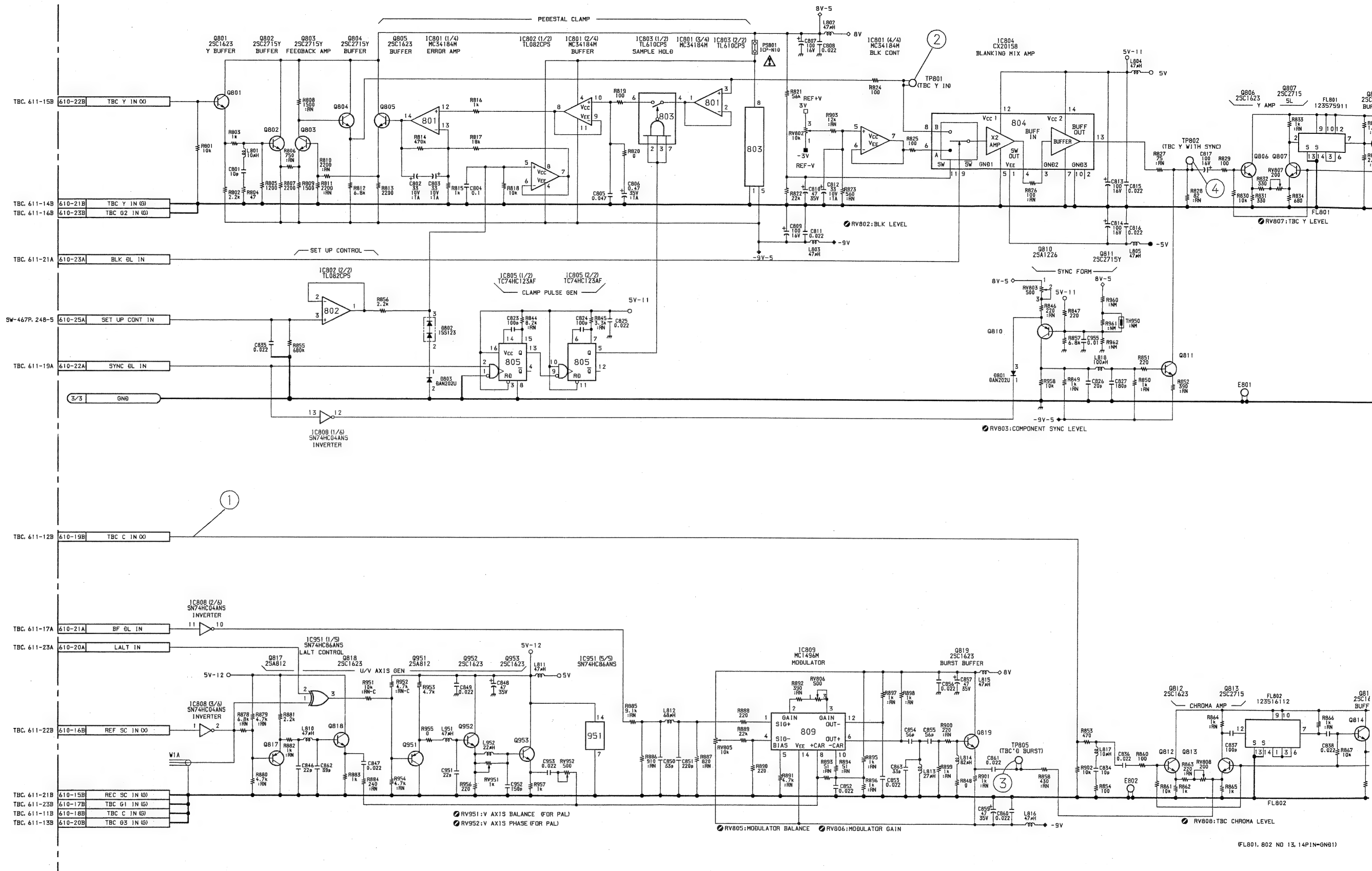


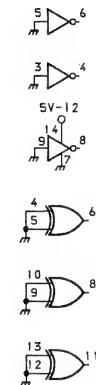
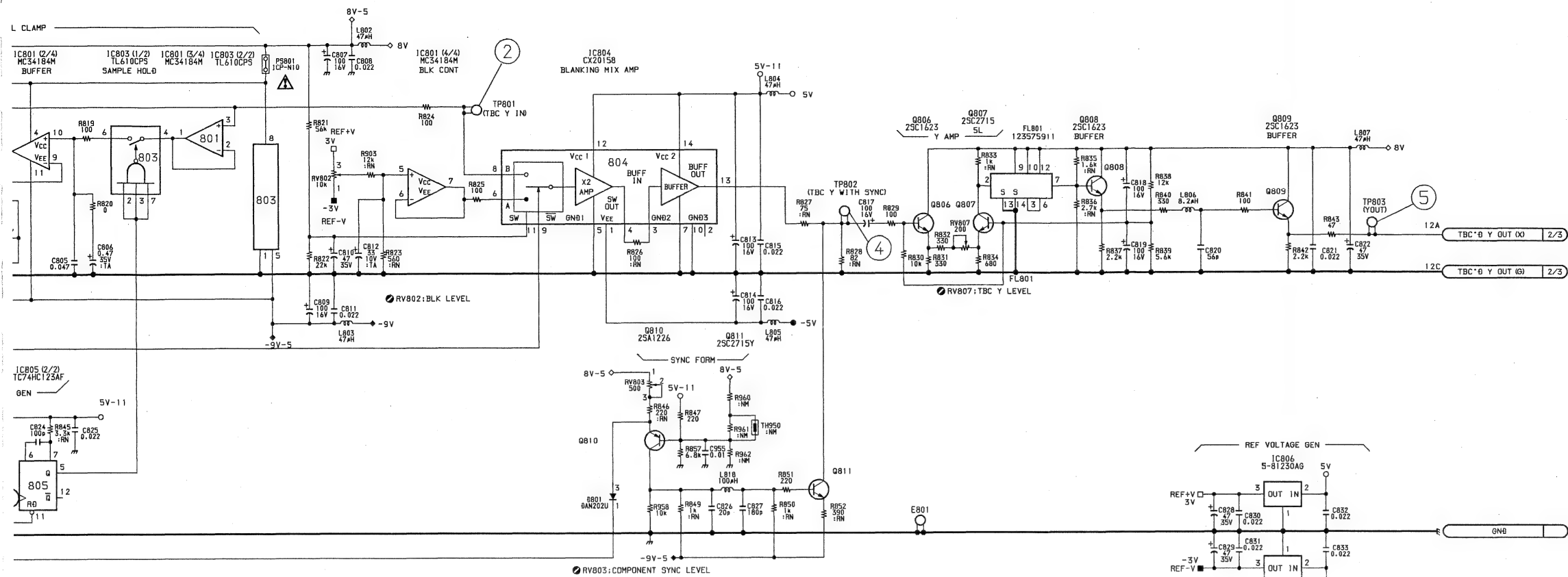
Measurement Condition

VIDEO IN: EBU color-bars
PB mode: (WR5-8CSE: color bars)
STOP (E-E) mode

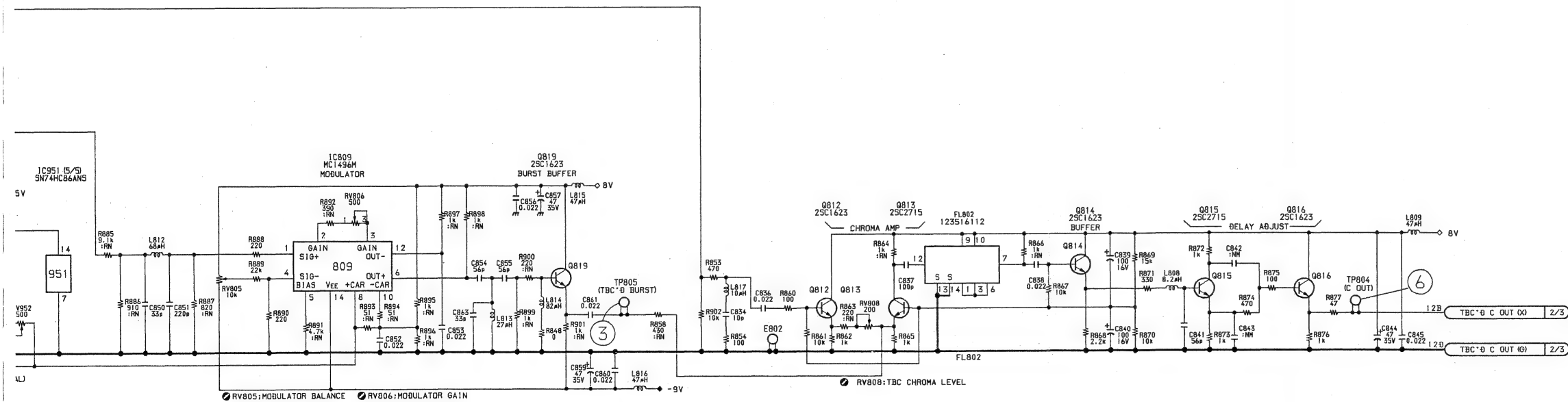
④ TP802 (G-2) PB mode





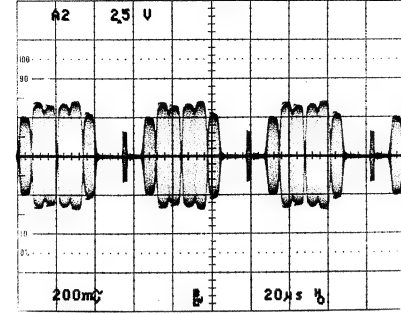


REG -9V-2 IN	609-7A	MB 609-7A
REG -9V-2 IN	609-7B	MB 609-7B
REG -9V-2 IN	609-8A	MB 609-8A
REG -9V-2 IN	609-8B	MB 609-8B

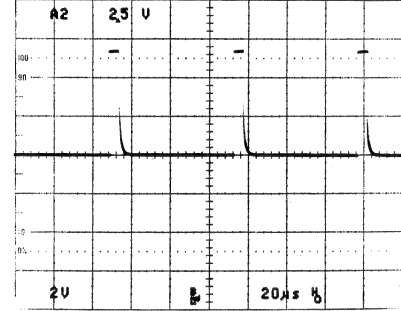


TBC' D Y/C Separator
VA-111AP BOARD (1/3)
 BOARD NO. 1-642-948-21
 EVO-9850P (EK) : #10001—

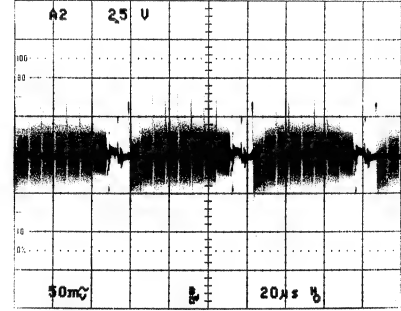
① TP106 (E-2) PB mode



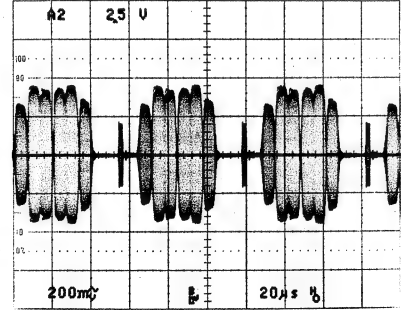
② TP121 (A-2) STOP (E-E) mode



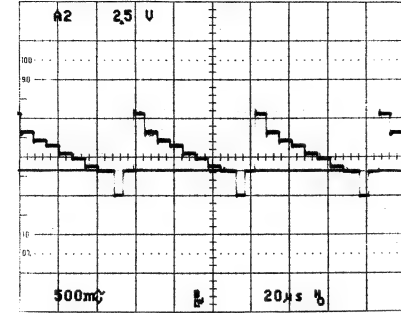
③ TP103 (E-2) PB mode



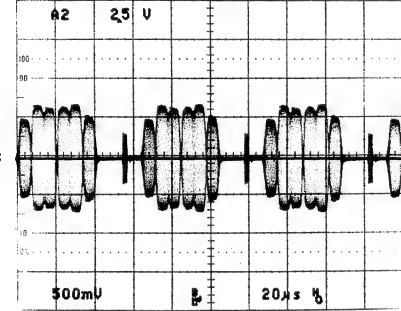
④ TP108 (D-2) PB mode



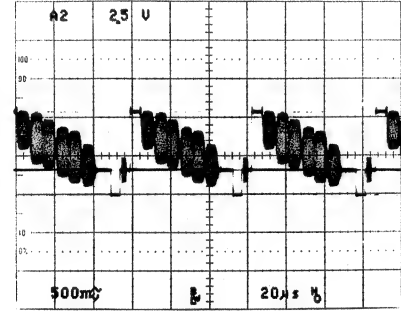
⑤ TP104 (C-2) PB mode



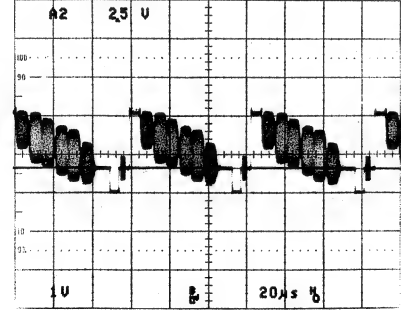
⑥ TP109 (C-2) PB mode



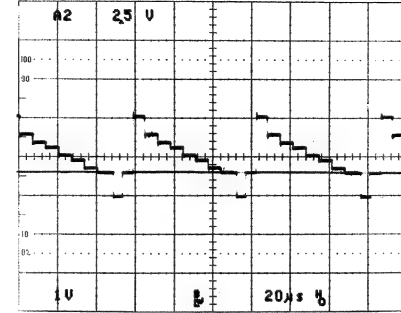
⑦ TP122 (A-4) PB mode



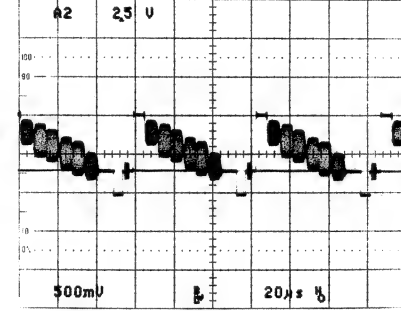
⑧ TP105 (B-2) PB mode



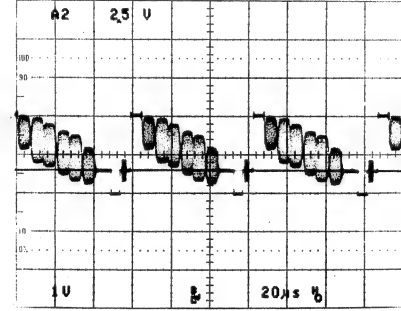
⑨ TP110 (B-3) PB mode



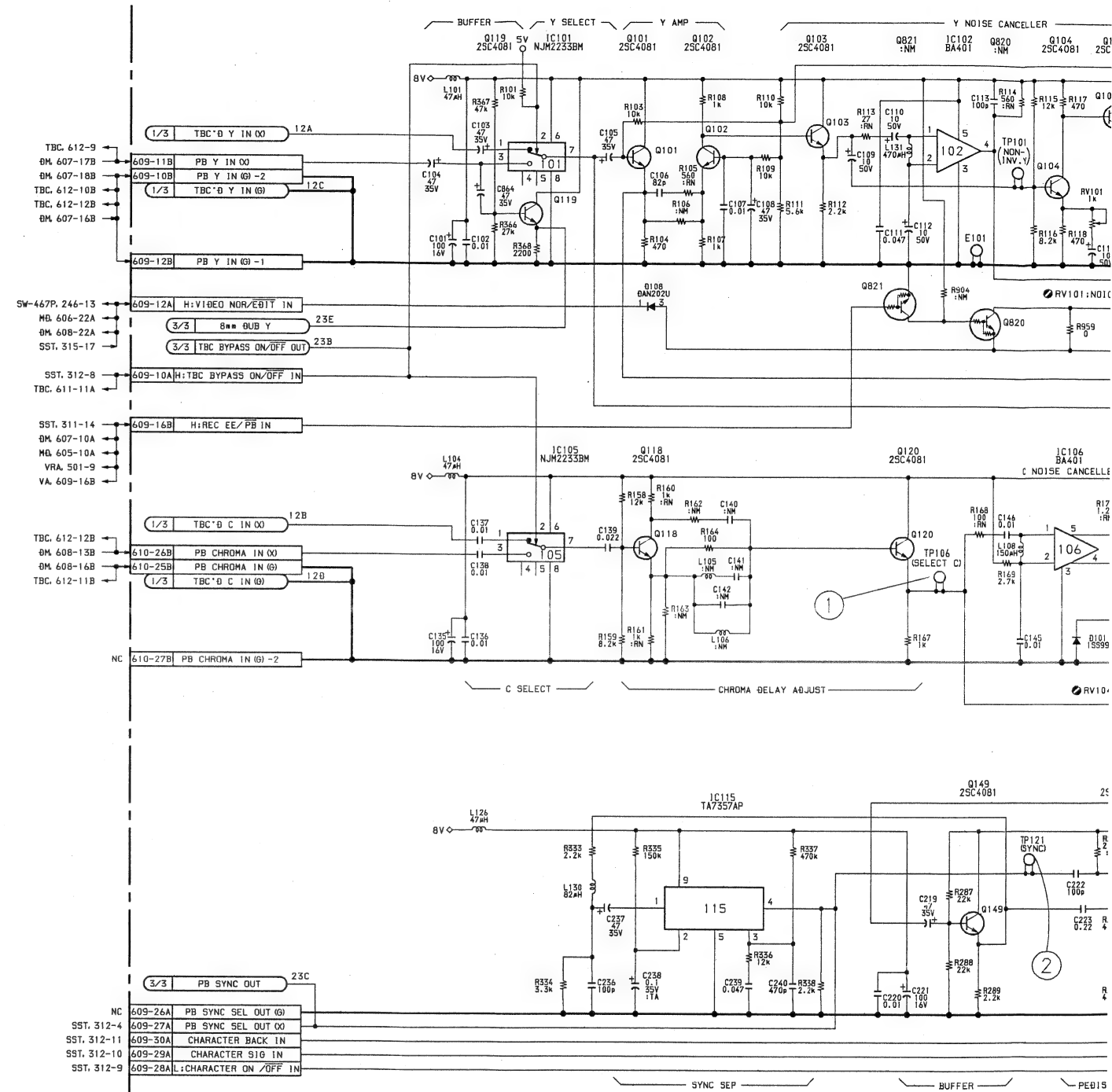
⑩ TP123 (A-5) PB mode

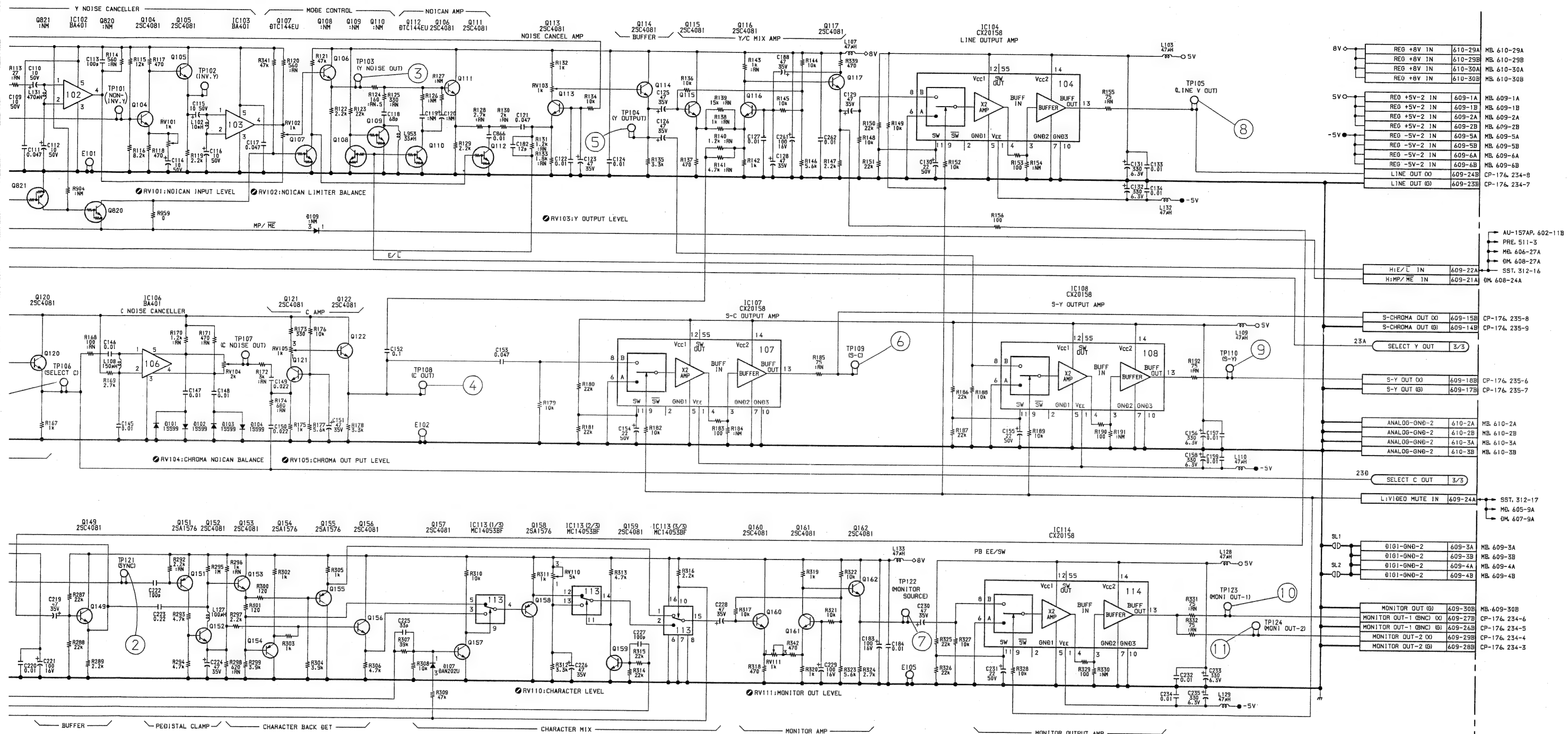


⑪ TP124 (A-5) PB mode



Measurement Condition
VIDEO IN: EBU color-bars
PB mode: (WR5-8CSE: color bars)
STOP (E-E) mode





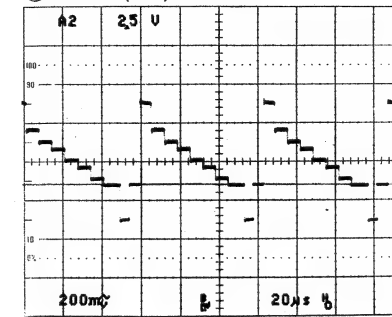
Video Output

VA-111AP BOARD (2/3)

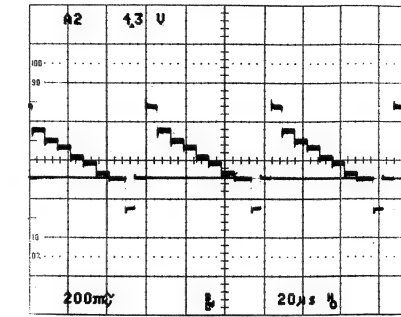
BOARD NO. 1-642-948-21

EVO-9850P (EK) : #10001 —

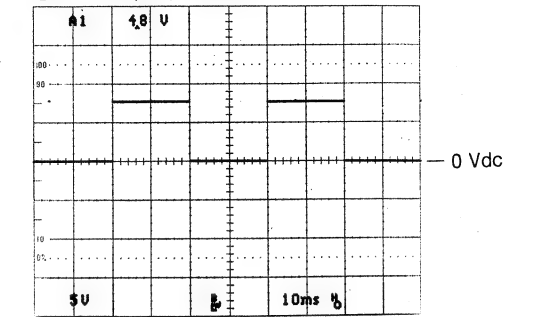
① TP116 (D-5) PB mode



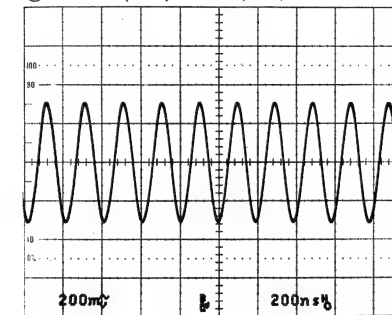
⑤ TP118 (C-5) PB mode



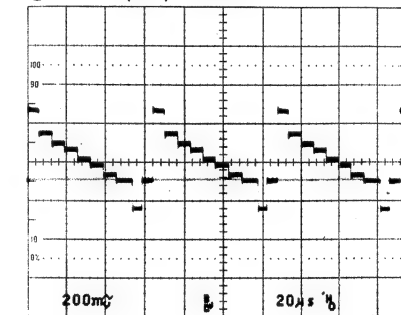
⑨ TP125 (K-5) PB mode



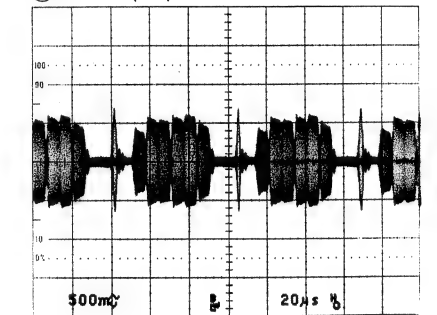
② TP111 (M-2) STOP (E-E) mode



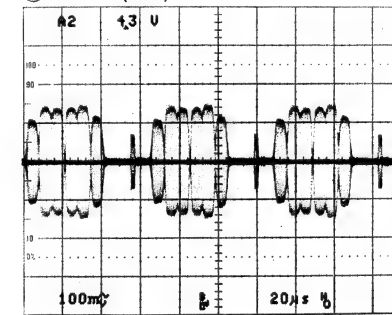
⑥ TP119 (B-5) PB mode



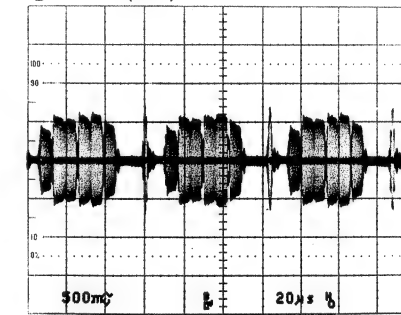
⑩ TP115 (L-5) PB mode



③ TP112 (M-2) PB mode



⑦ TP113 (M-5) PB mode

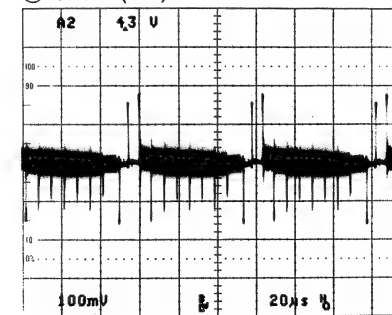
**Measurement Condition**

VIDEO IN: EBU color-bars

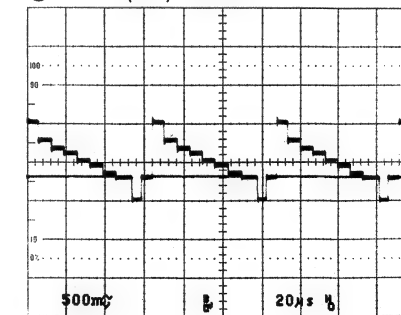
PB mode: (WR5-8CSE: color bars)

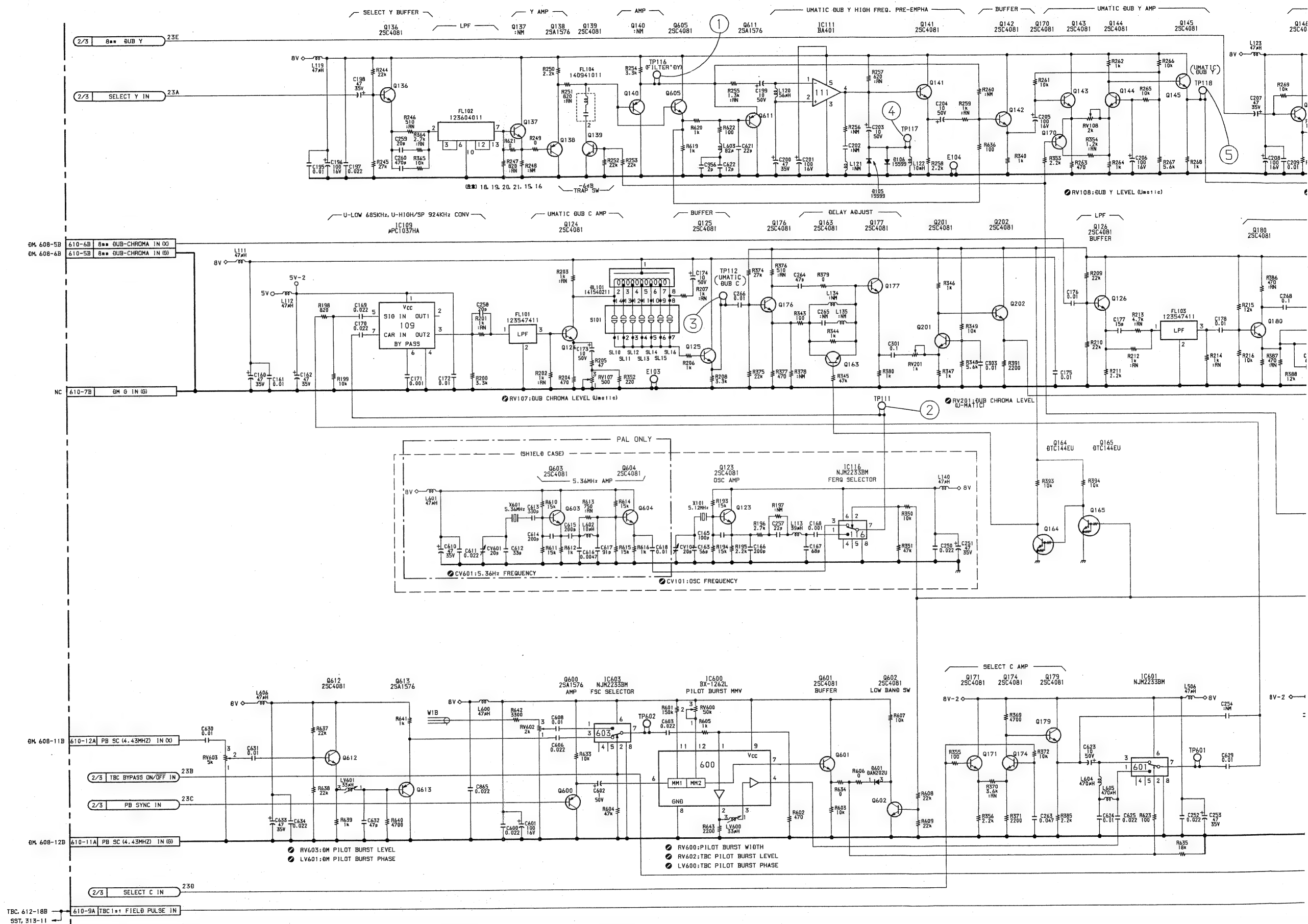
STOP (E-E) mode

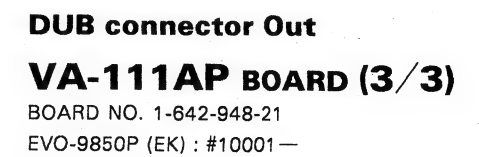
④ TP117 (C-4) PB mode



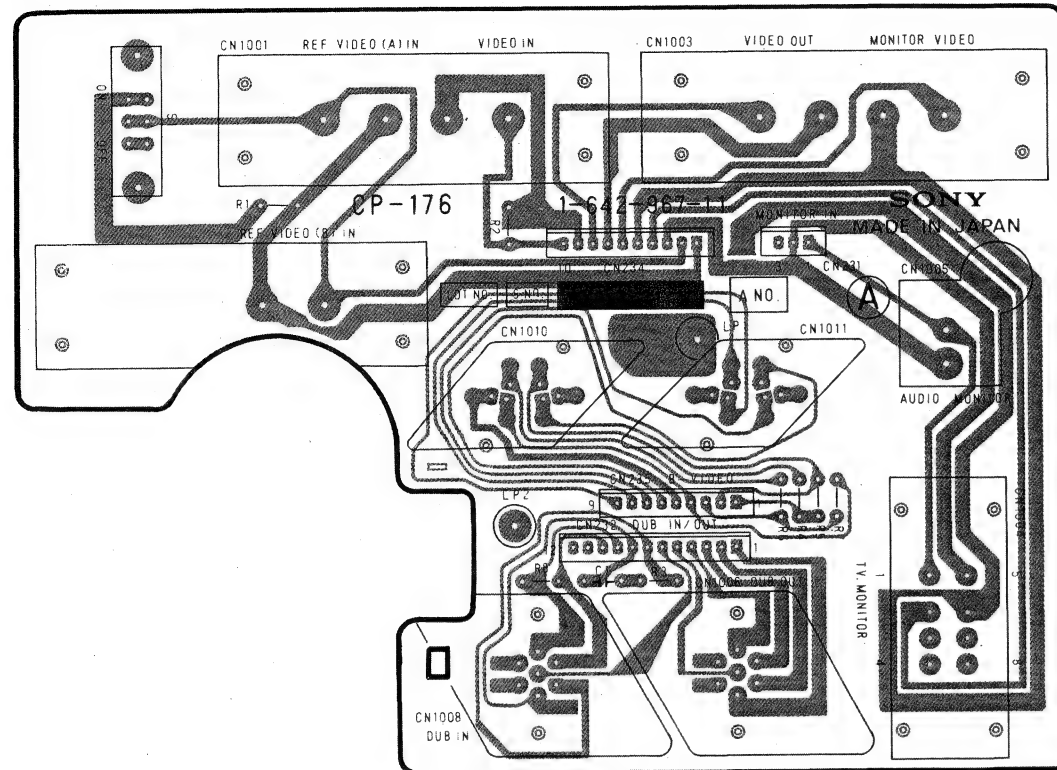
⑧ TP120 (B-5) PB mode







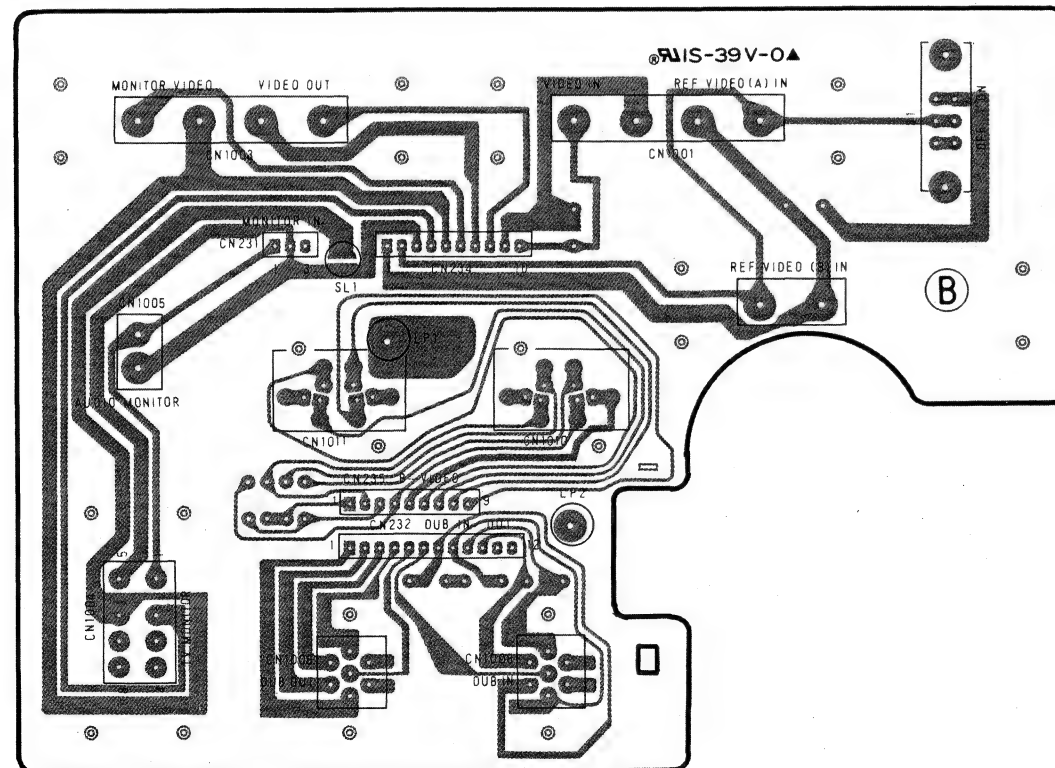
CP-176 BOARD A Side



1-642-967-11 A SIDE

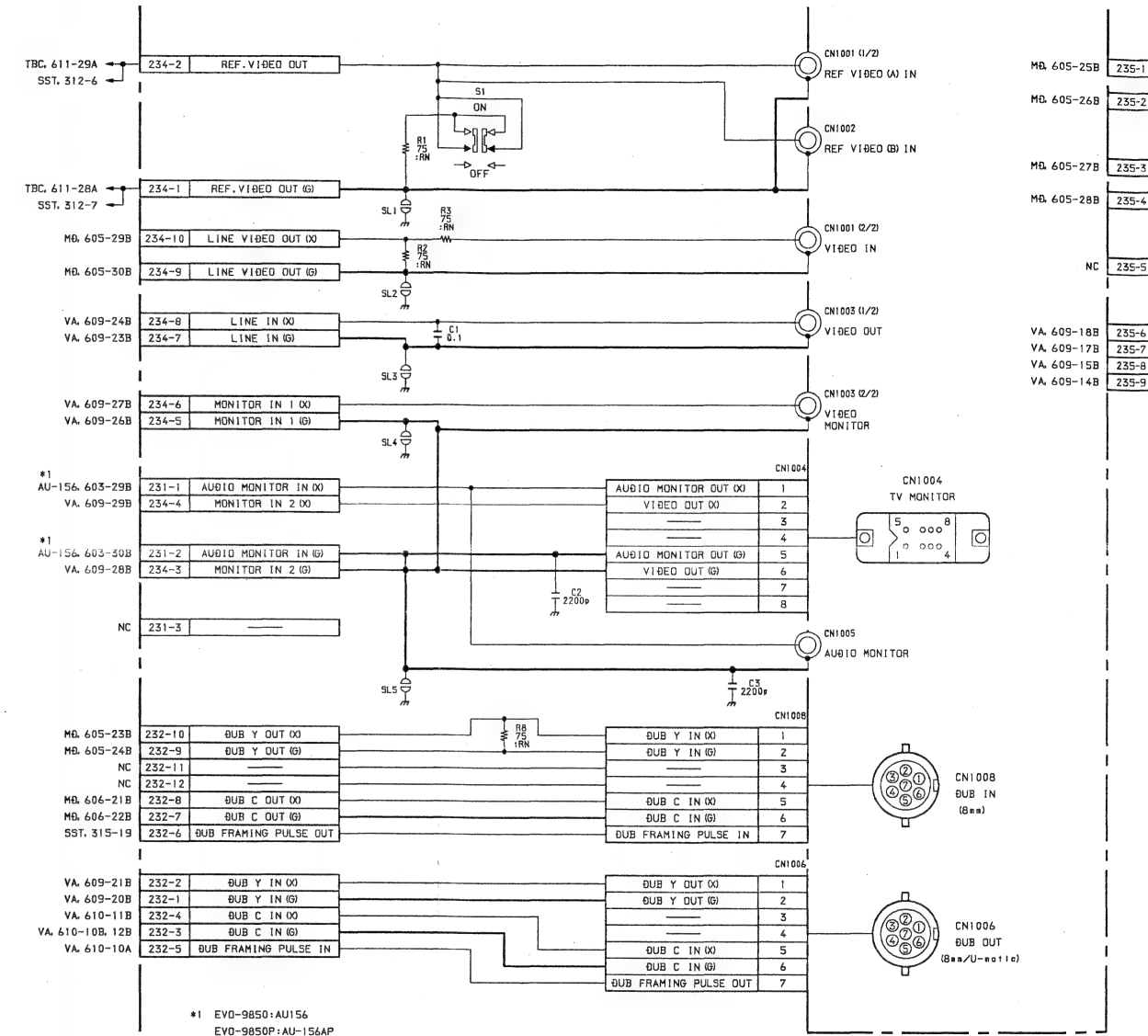
A Side is the same as Component Side

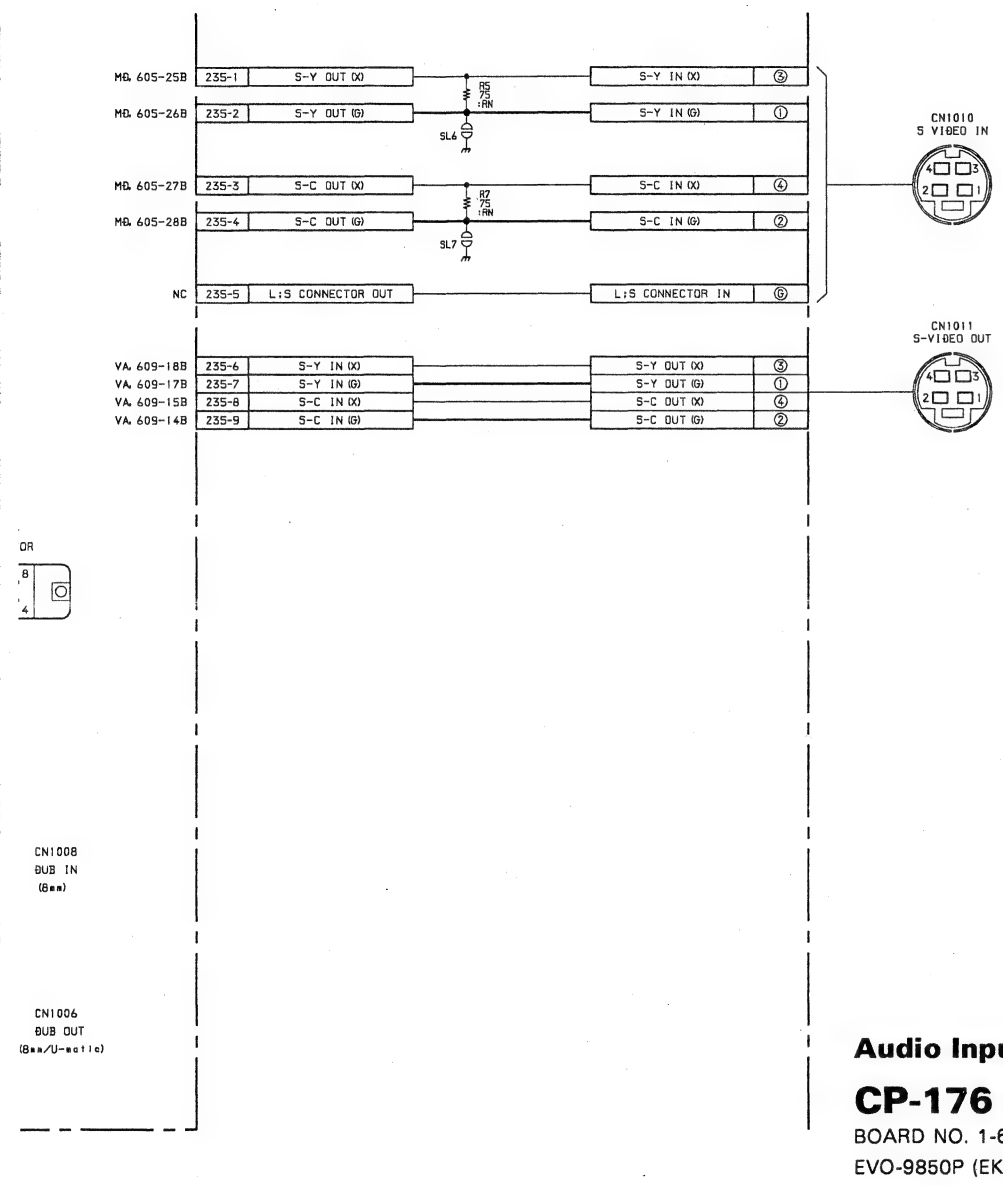
CP-176 BOARD B Side



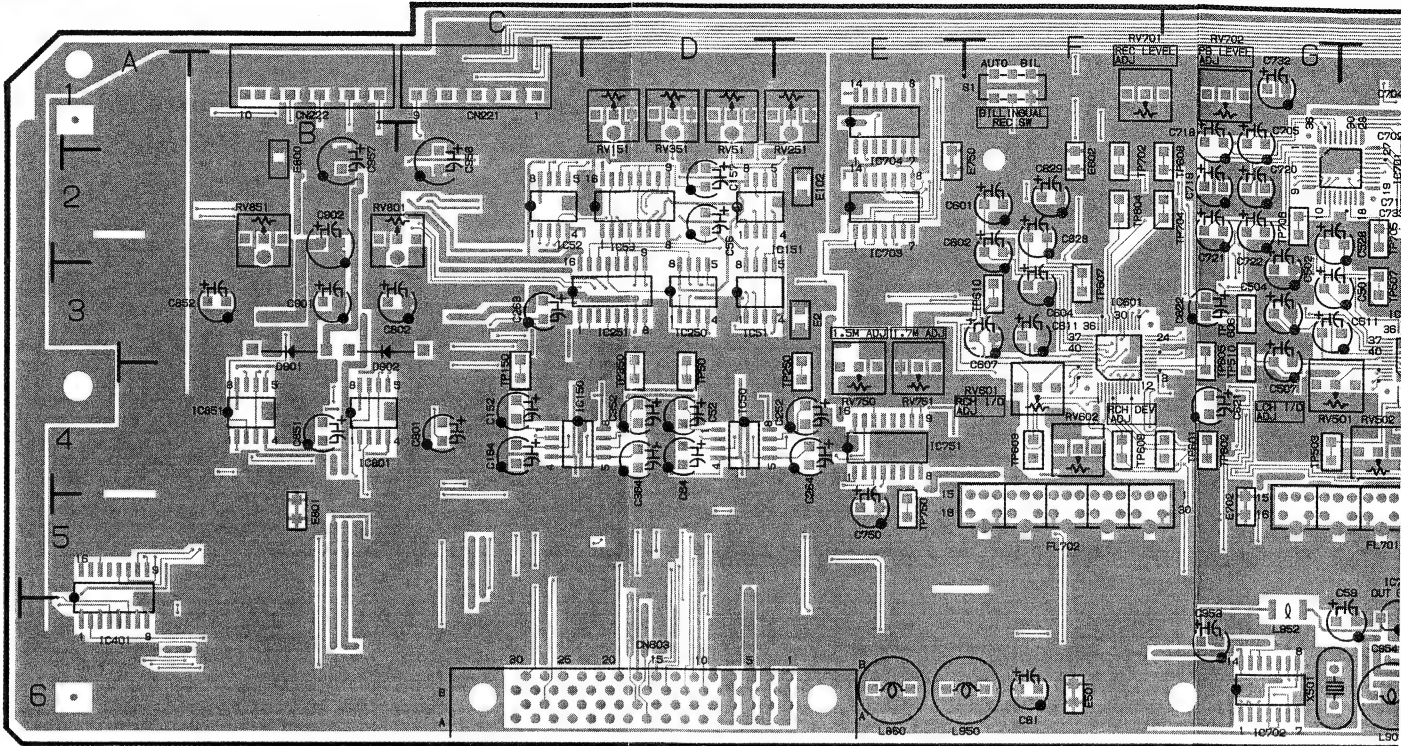
1-642-967-11 B SIDE

B Side is the same as Soldering Side





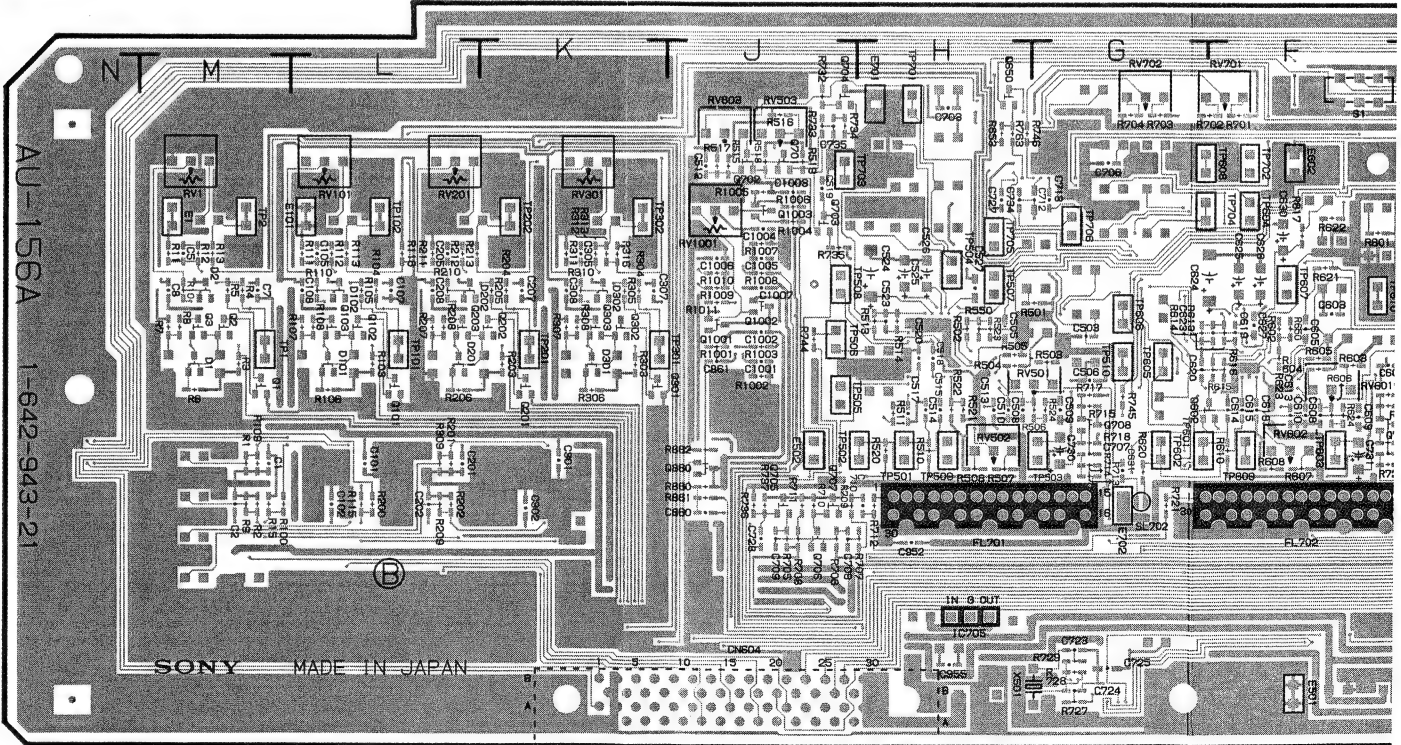
AU-156AP BOARD
A Side



1-642-943-21 A SIDE

A Side is the same as Component Side

AU-156AP BOARD
B Side



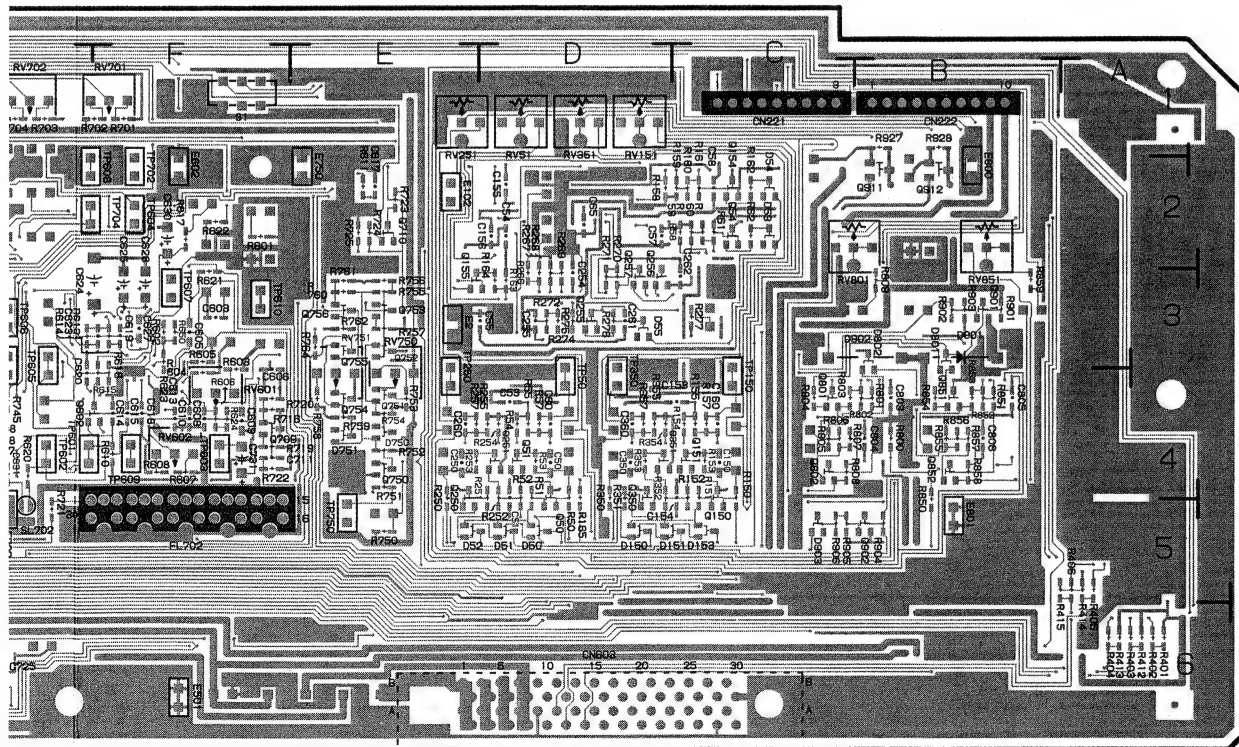
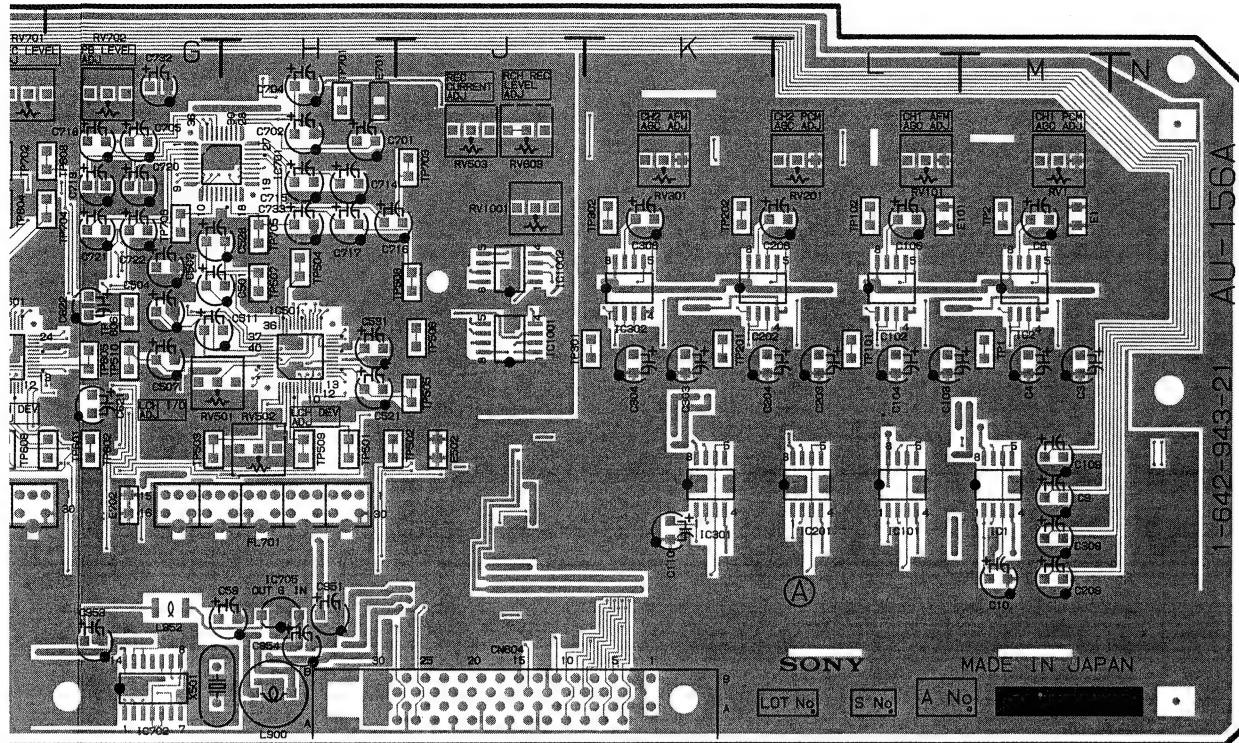
1-642-943-21 B SIDE

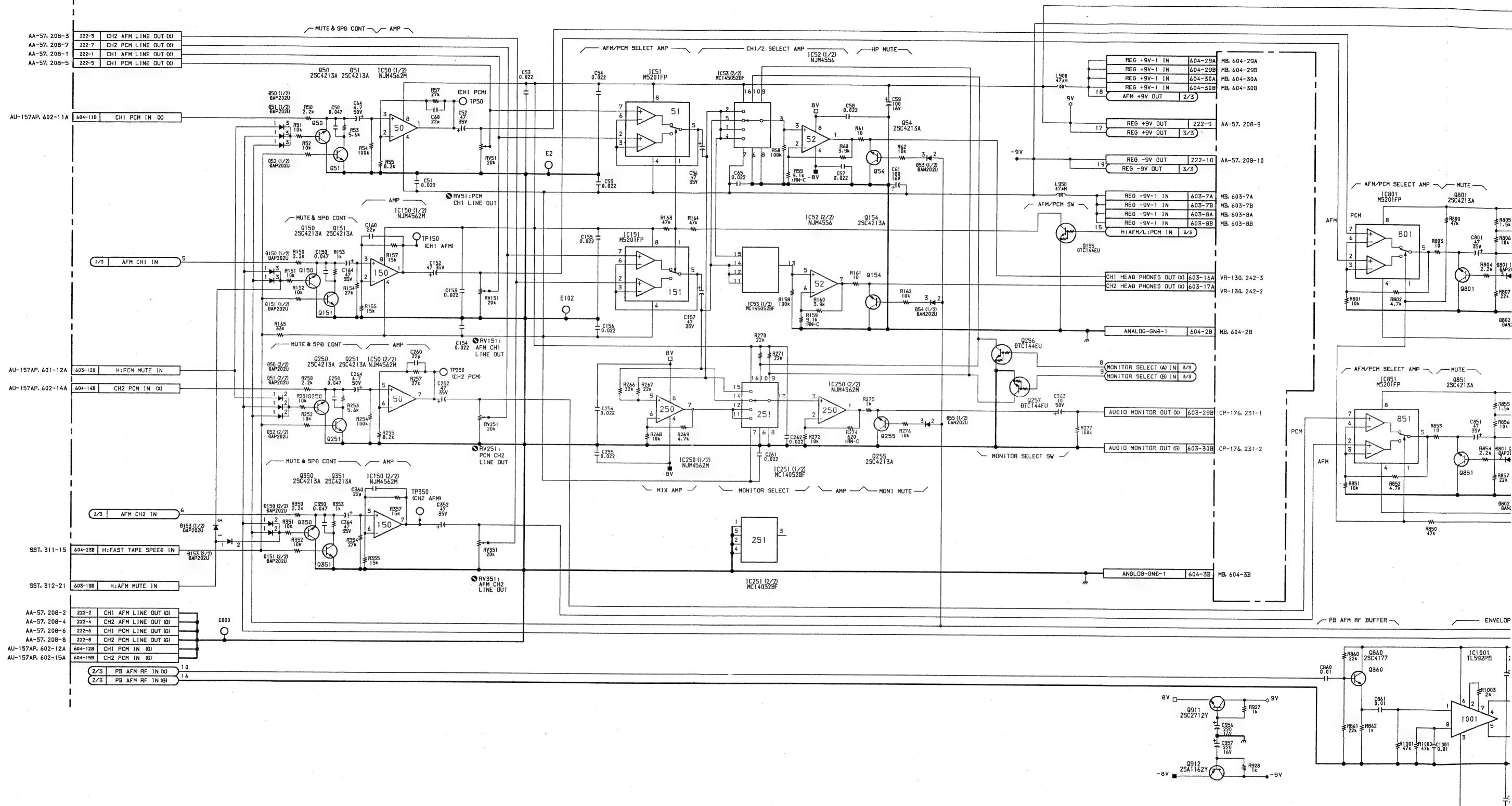
B Side is the same as Soldering Side

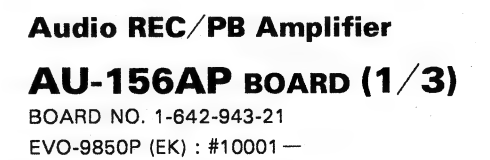
AU-156AP (1-642-943-21)

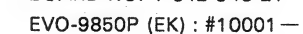
CN221	C-1	IC705	H-4	RV251	D-1
CN222	B-1	IC751	E-3	RV301	K-1
CN603	D-4	IC801	B-3	RV351	D-1
CN604	J-4	IC851	A-3	RV501	G-2
		IC1001	J-2	RV502	H-3
		IC1002	J-2	RV503	J-1
D1	M-2*			RV601	F-2
D2	M-2*			RV602	F-3
D50	D-3*	Q1	M-2*	RV603	J-1
D51	D-3*	Q2	M-2*	RV701	F-1
D52	D-3*	Q3	M-2*	RV702	G-1
D53	C-2*	Q50	D-3*	RV750	E-2
D54	C-1*	Q51	D-3*	RV751	E-2
D55	C-2*	Q54	C-2*	RV801	B-2
D101	L-2*	Q101	L-2*	RV851	A-2
D102	L-2*	Q102	L-2*	RV1001	J-1
D150	C-3*	Q103	L-2*		
D151	C-3*	Q150	C-3*		
D153	C-3*	Q151	C-3*	S1	F-1
D201	L-2*	Q154	C-1*		
D202	K-2*	Q155	D-2*	TP1	M-2
D301	K-2*	Q201	K-2*	TP2	M-1
D302	K-2*	Q202	K-2*	TP50	D-2
D750	E-3*	Q203	L-2*	TP101	L-2
D751	E-3*	Q250	D-3*	TP102	L-1
D801	B-2*	Q251	D-3*	TP150	C-2
D802	B-2*	Q255	D-2*	TP201	K-2
D901	B-2	Q256	C-2*	TP202	K-1
D902	B-2	Q257	C-2*	TP250	D-2
D903	B-3*	Q301	J-2*	TP301	J-2
		Q302	K-2*	TP302	K-1
E1	M-1	Q303	K-2*	TP350	C-2
E2	D-2	Q350	C-3*	TP501	H-3
E101	L-1	Q351	C-3*	TP502	H-3
E102	D-1	Q602	F-3*	TP503	G-3
E501	F-4	Q701	J-1*	TP504	H-2
E502	J-3	Q702	J-1*	TP505	H-2
E602	F-1	Q703	H-1*	TP506	H-2
E701	H-1	Q704	H-1*	TP507	H-2
E702	G-3	Q705	J-3*	TP508	H-2
E750	E-1	Q706	J-3*	TP509	H-3
E800	B-1	Q707	H-3*	TP510	G-2
E801	B-3	Q708	G-3*	TP601	F-3
		Q709	E-3*	TP602	G-3
FL701	H-3	Q710	E-2*	TP603	F-3
FL702	F-3	Q750	E-3*	TP604	F-1
		Q751	E-2*	TP605	G-2
IC1	M-3	Q752	E-2*	TP606	G-2
IC2	M-2	Q753	E-2*	TP607	F-2
IC50	D-3	Q754	E-2*	TP608	F-1
IC51	D-2	Q755	E-2*	TP609	F-3
IC52	C-2	Q756	E-2*	TP610	E-2
IC53	C-2	Q801	B-2*	TP701	H-1
IC101	L-3	Q802	B-3*	TP702	F-1
IC102	L-2	Q851	B-2*	TP703	H-1
IC150	C-3	Q852	B-3*	TP704	F-1
IC151	D-2	Q860	J-3*	TP705	H-2
IC201	L-3	Q901	A-2*	TP706	G-1
IC202	K-2	Q902	B-3*	TP750	E-3
IC250	D-2	Q911	B-1*		
IC251	C-2	Q912	B-1*	X501	G-4
IC301	K-3	Q1001	J-2*		
IC302	K-2	Q1002	J-2*		
IC401	A-4	Q1003	J-1*		
IC501	H-2				
IC601	F-2	RV1	M-1		
IC701	G-1	RV51	D-1		
IC702	G-4	RV101	L-1		
IC703	E-2	RV151	C-1		
IC704	E-1	RV201	L-1		

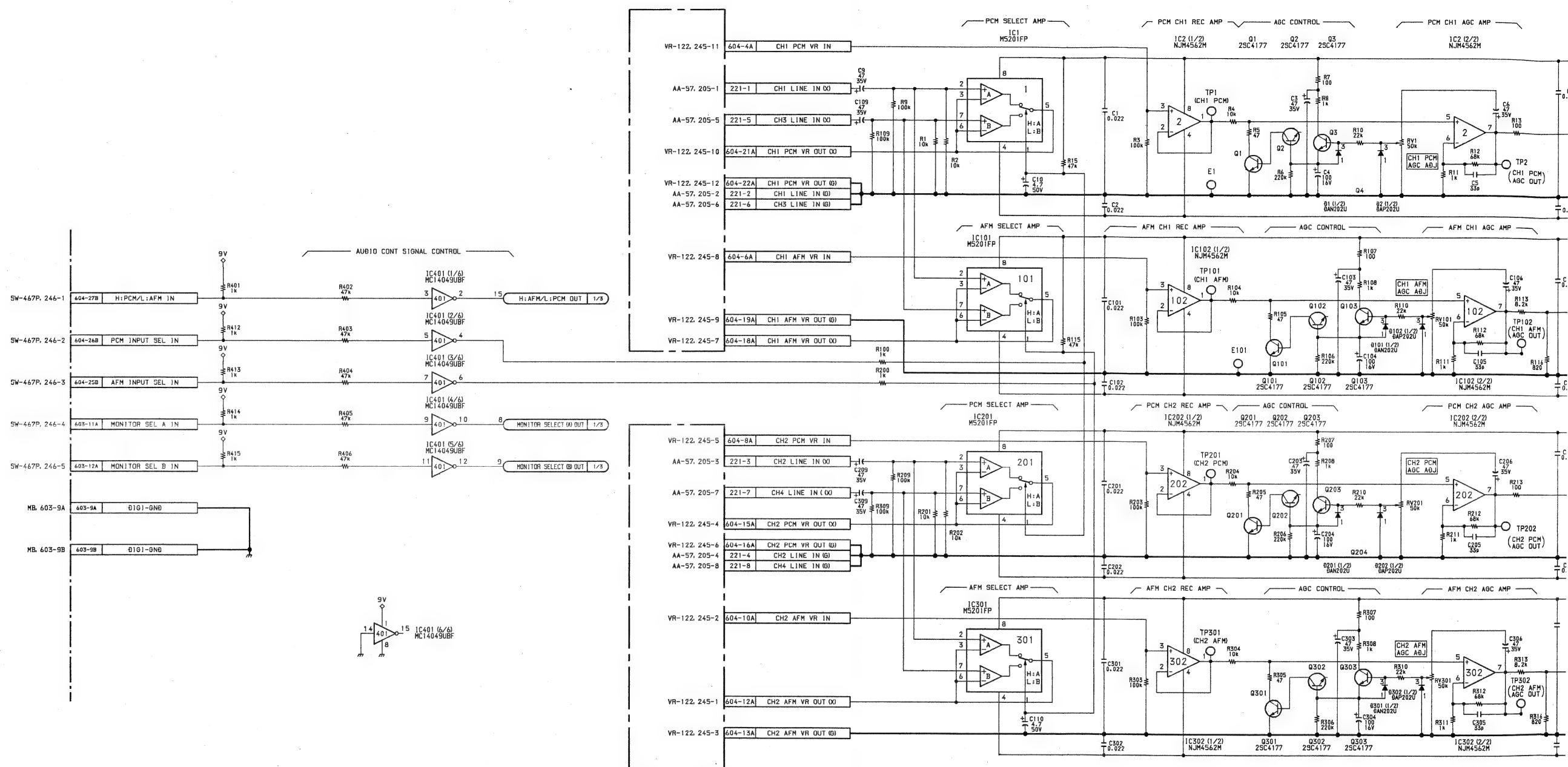
* mark ; B SIDE mount

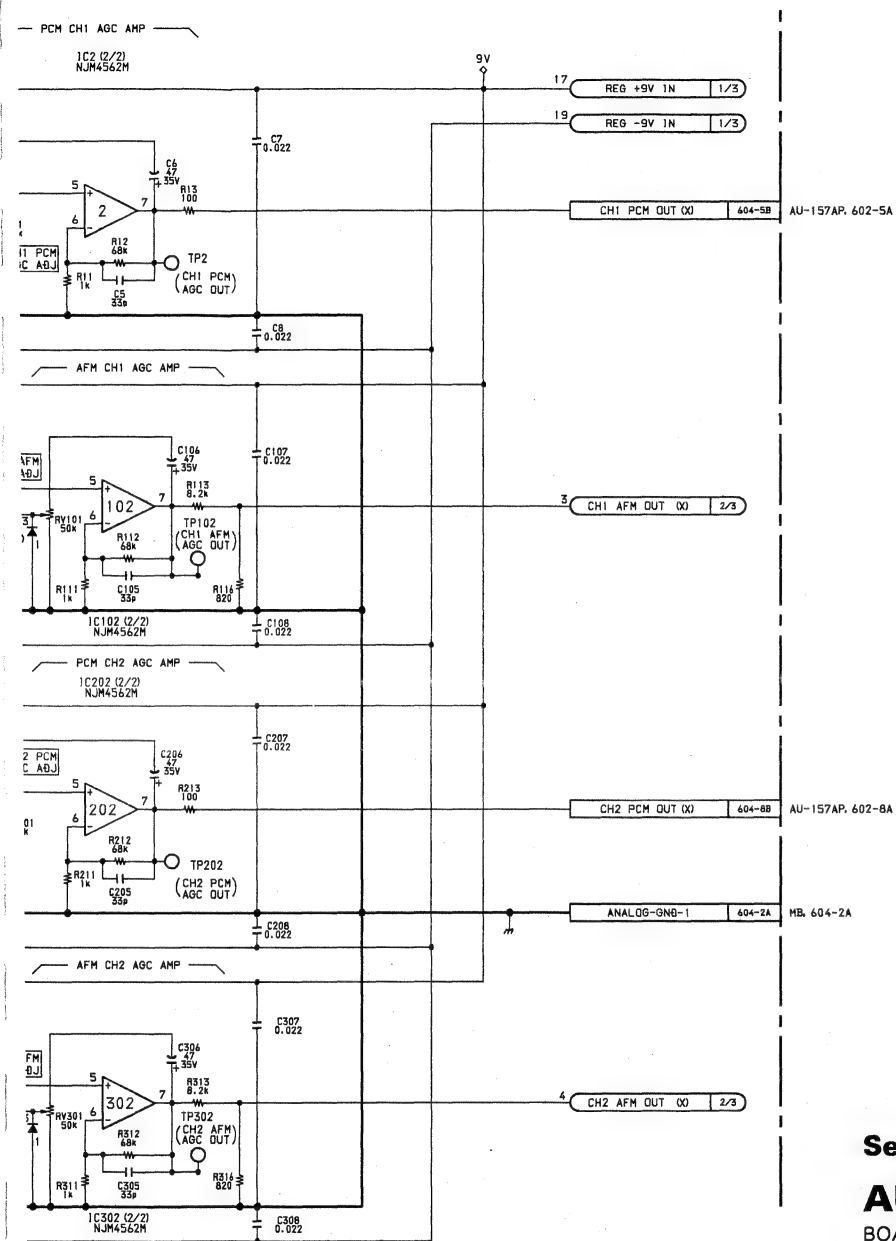












Select Buffer

AU-156AP BOARD (3/3)

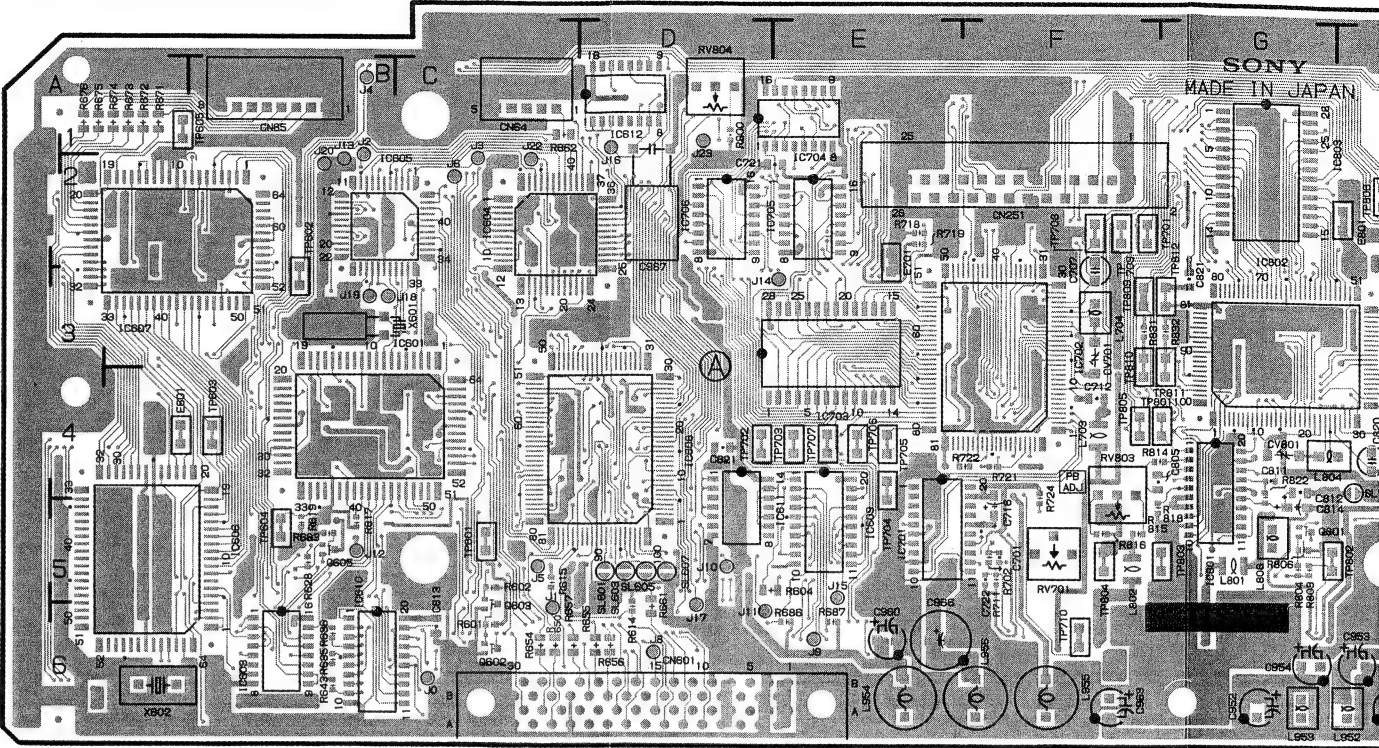
BOARD NO. 1-642-943-21

EVO-9850P (EK) : #10001 —

AU-157AP(1-642-947-21)

CN64	C-1	Q602	C-6	TP812	G-3
CN65	B-1	Q603	C-6	TP813	H-3
CN251	F-2	Q604	C-4*		
CN601	D-6	Q605	B-5	X601	B-3
CN602	J-6	Q606	B-5*	X602	A-6
		Q607	B-4*		
CV701	F-3	Q608	B-4*	* mark ; B SIDE mount	
CV801	G-4	Q609	B-3*		
		Q610	J-6		
D601	D-4*	Q611	H-5		
D602	B-4*	Q612	H-2		
D603	B-4*	Q613	H-2*		
D604	C-4*	Q701	F-5*		
D605	D-4*	Q801	G-5		
D606	B-5*	Q802	G-5*		
D701	F-3*	Q803	G-5*		
D801	F-4*	Q806	G-4*		
D802	G-4*				
		RV402	L-3		
E401	L-6	RV403	L-1		
E601	A-4	RV408	K-1		
E701	E-2	RV502	N-3		
E801	H-2	RV503	N-1		
		RV701	F-5		
FL401	L-5	RV803	F-4		
FL402	K-4	RV804	D-1		
FL501	N-5				
FL502	H-4	TP401	L-4		
		TP402	K-2		
IC401	L-6	TP403	K-5		
IC402	M-5	TP404	M-1		
IC403	L-3	TP405	M-1		
IC404	M-2	TP406	L-2		
IC405	L-2	TP407	L-6		
IC406	J-2	TP408	K-5		
IC407	K-2	TP501	M-4		
IC408	K-3	TP502	H-2		
IC409	J-3	TP503	J-5		
IC410	J-5	TP504	H-1		
IC501	M-6	TP505	H-1		
IC503	M-3	TP506	N-2		
IC508	H-3	TP507	M-6		
IC510	J-5	TP508	J-5		
IC601	B-4	TP601	C-5		
IC603	B-6	TP602	B-3		
IC604	C-2	TP603	B-4		
IC605	B-2	TP604	B-5		
IC606	A-5	TP605	A-1		
IC607	A-2	TP701	F-2		
IC608	D-4	TP702	D-4		
IC609	E-4	TP703	E-4		
IC610	B-6	TP704	E-4		
IC611	D-4	TP705	E-4		
IC612	D-1	TP706	E-4		
IC613	G-1	TP707	E-4		
IC701	E-4	TP708	F-2		
IC702	F-3	TP709	F-2		
IC703	D-4	TP710	F-6		
IC704	D-1	TP801	G-4		
IC705	E-2	TP802	G-5		
IC706	D-2	TP803	G-5		
IC801	G-4	TP804	F-5		
IC802	G-3	TP805	F-4		
IC803	G-1	TP806	H-2		
		TP807	H-4		
		TP808	H-4		
Q401	K-2*	TP809	F-3		
Q402	K-3*	TP810	F-3		
Q501	H-2*	TP811	G-3		
Q502	H-3				

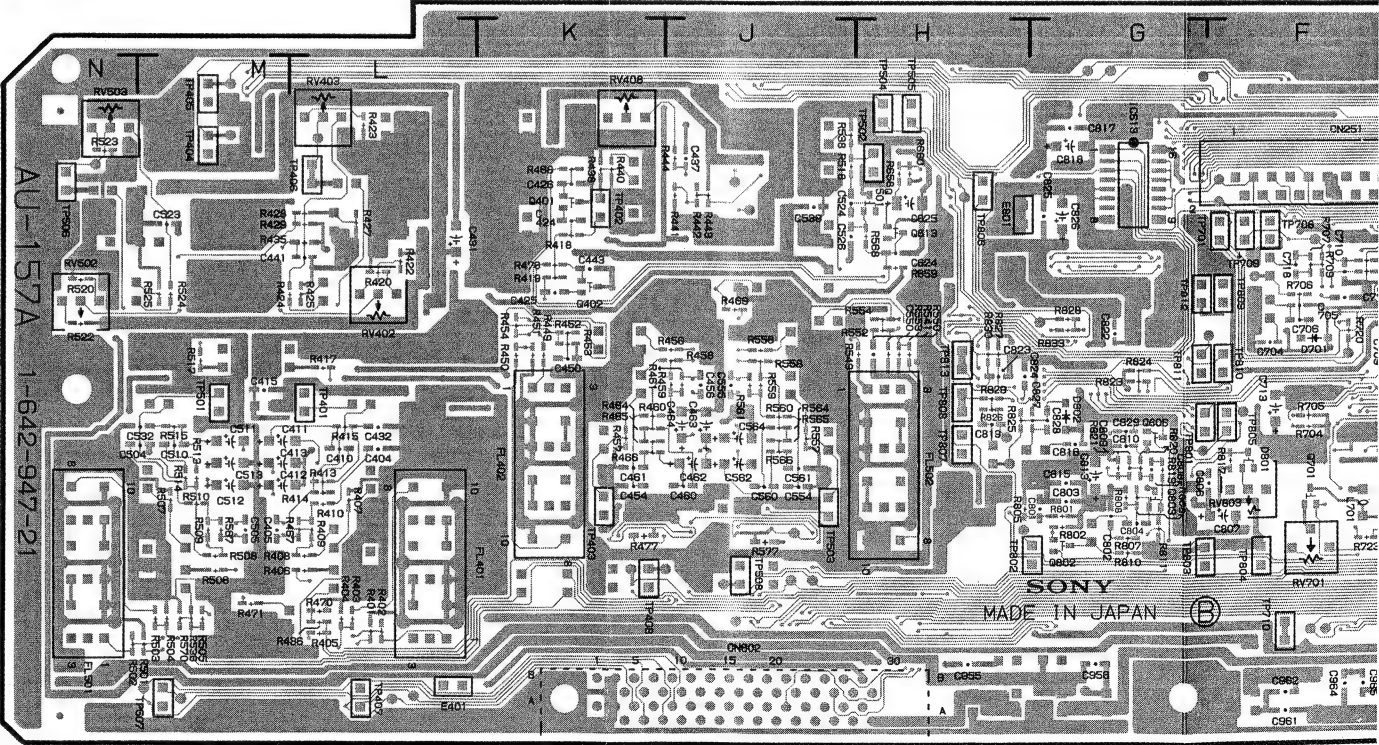
AU-157AP BOARD
A Side



1-642-947-21 A SIDE

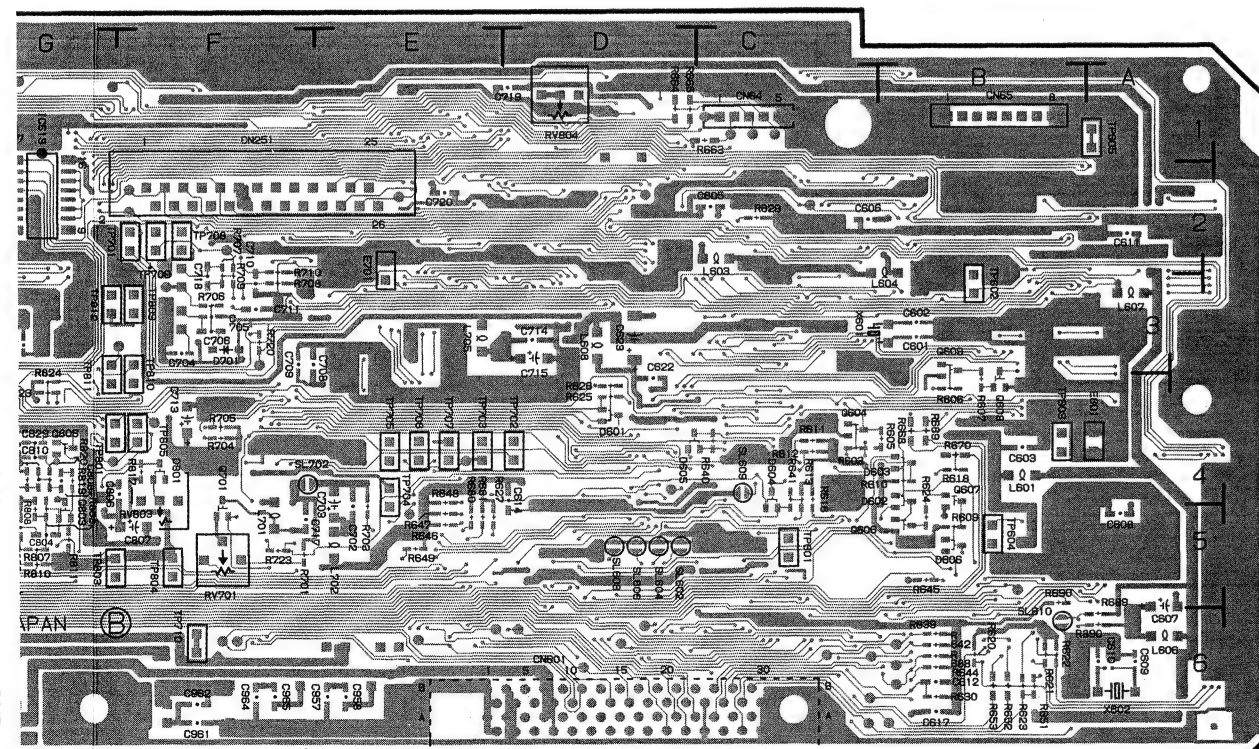
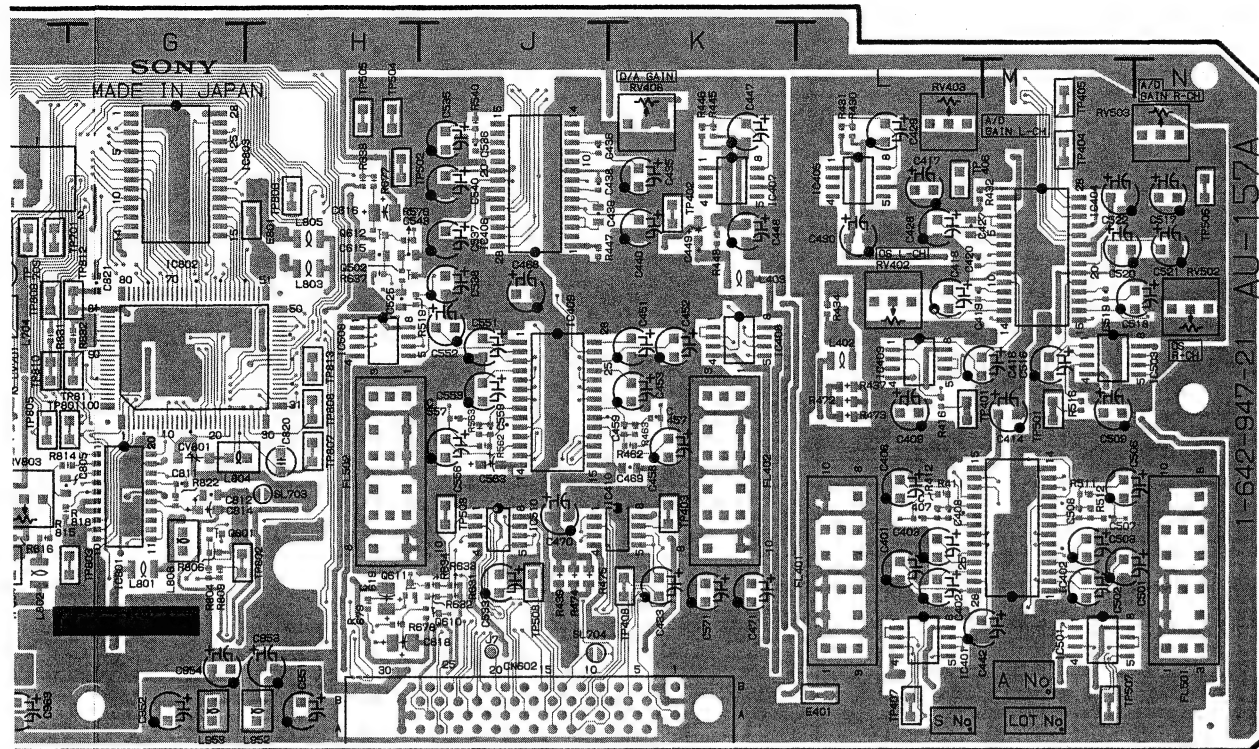
A Side is the same as Component Side

AU-157AP BOARD
B Side

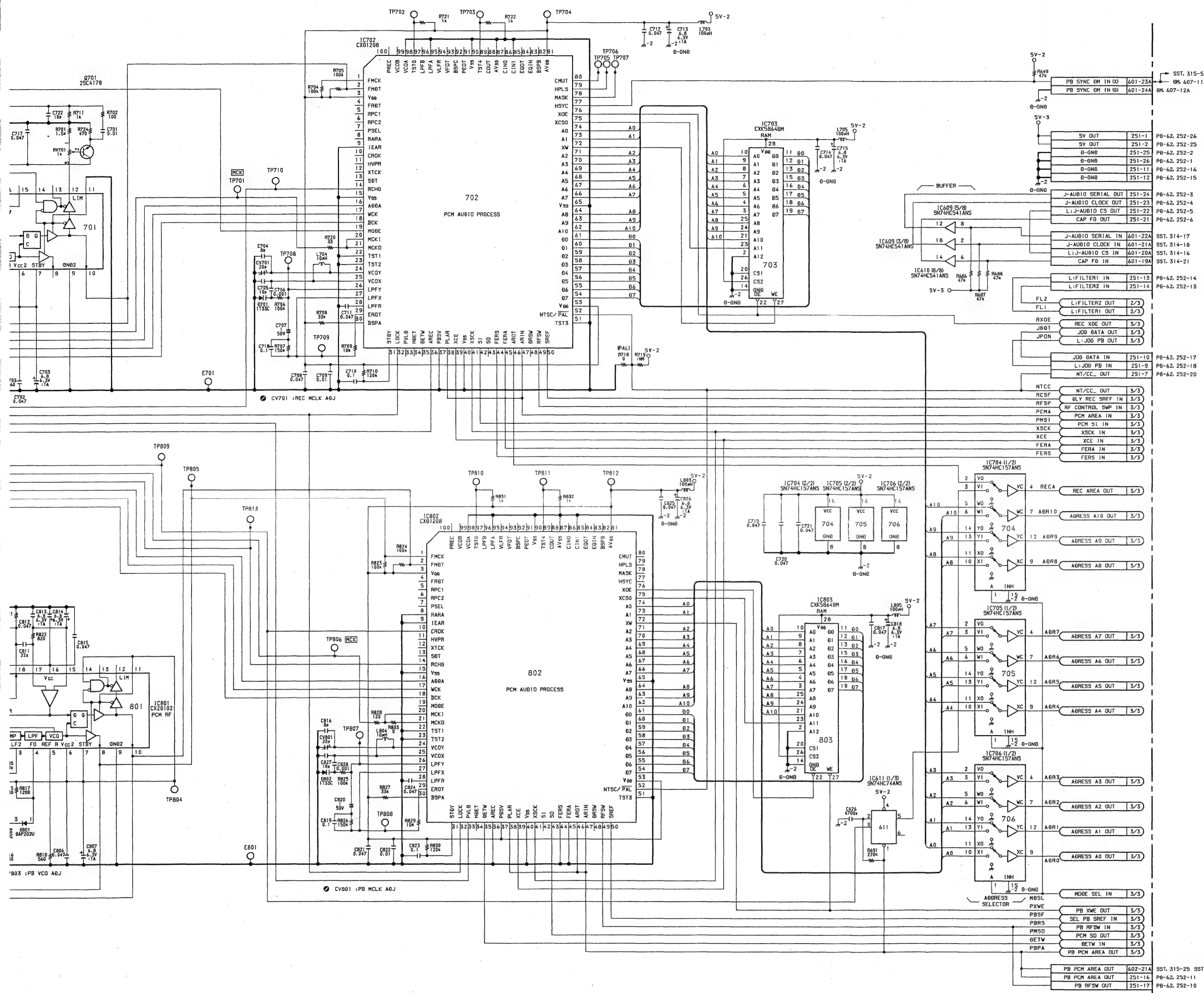


1-642-947-21 B SIDE

B Side is the same as Soldering Side







PCM Audio REC/PB Process

AU-157AP BOARD (1/3)

BOARD NO. 1-642-947-21

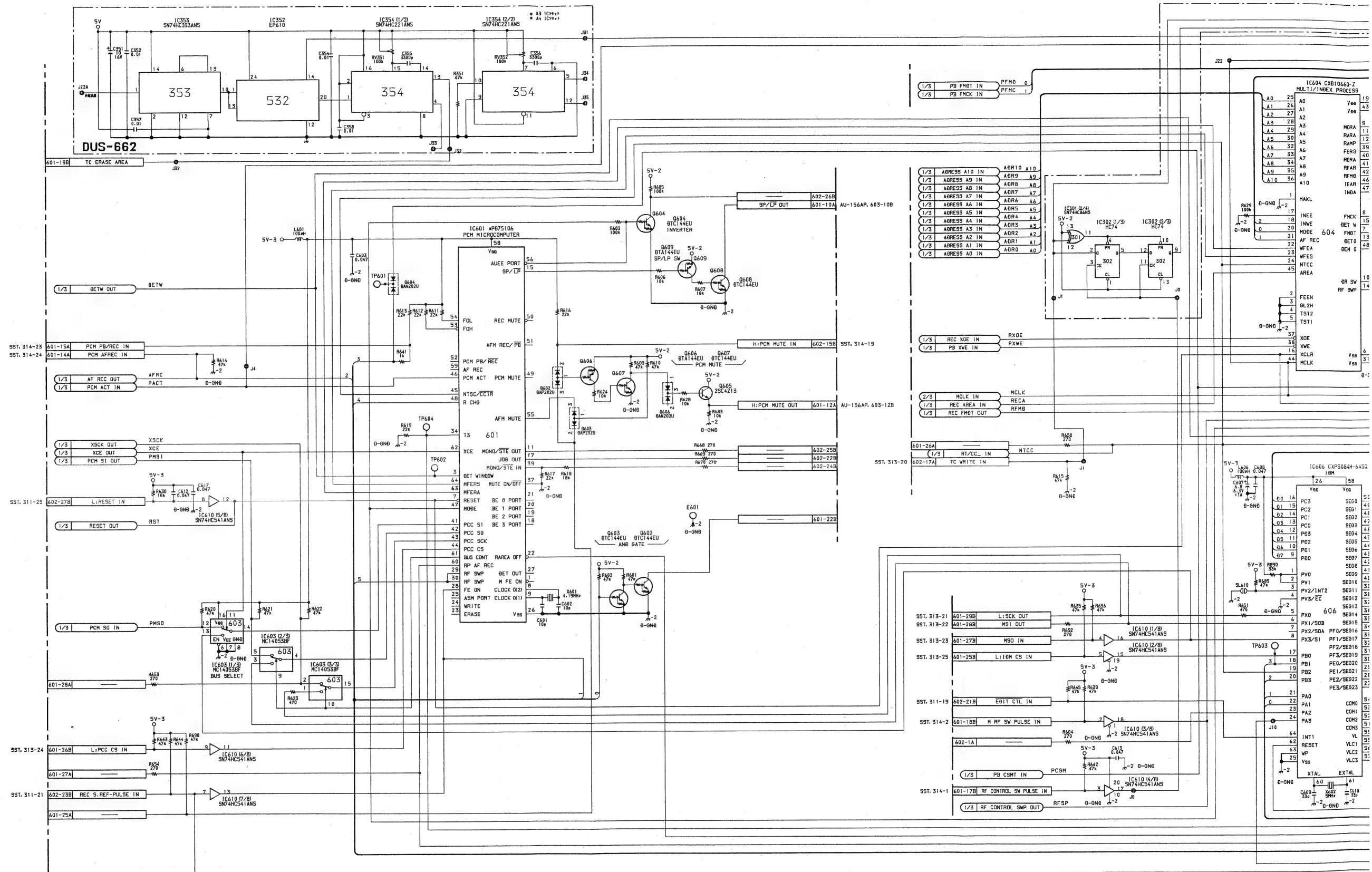
EVO-9850P (EK) : #10001 —

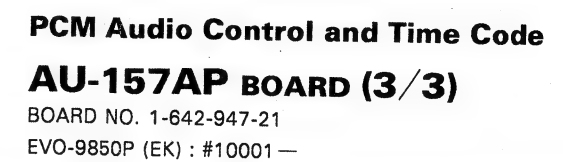




AU-157AP BOARD (2/3)

5

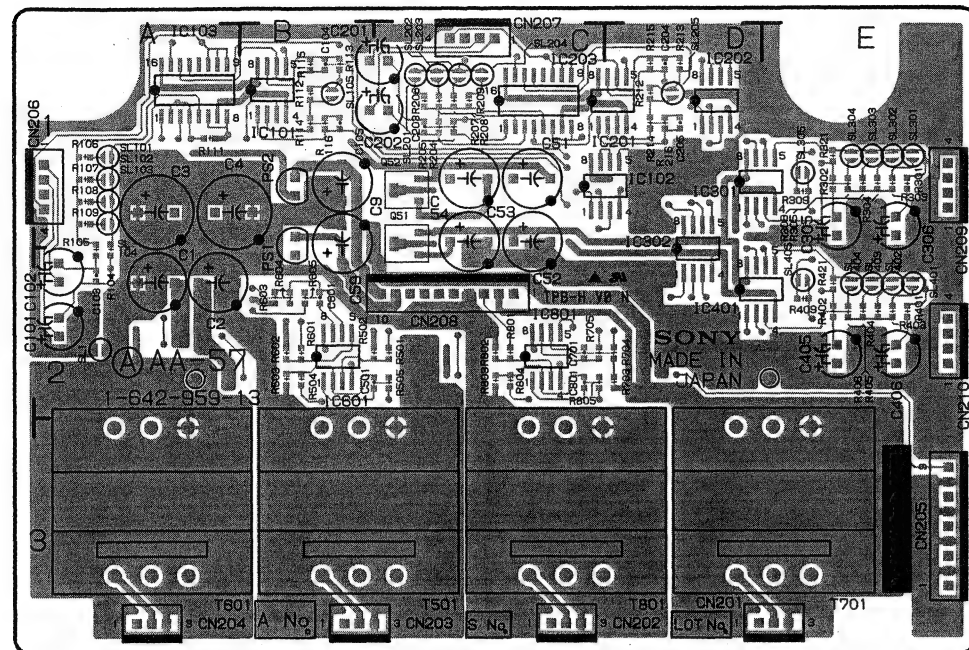




AA-57P (1-642-959-13)

AA-57P BOARD

A Side

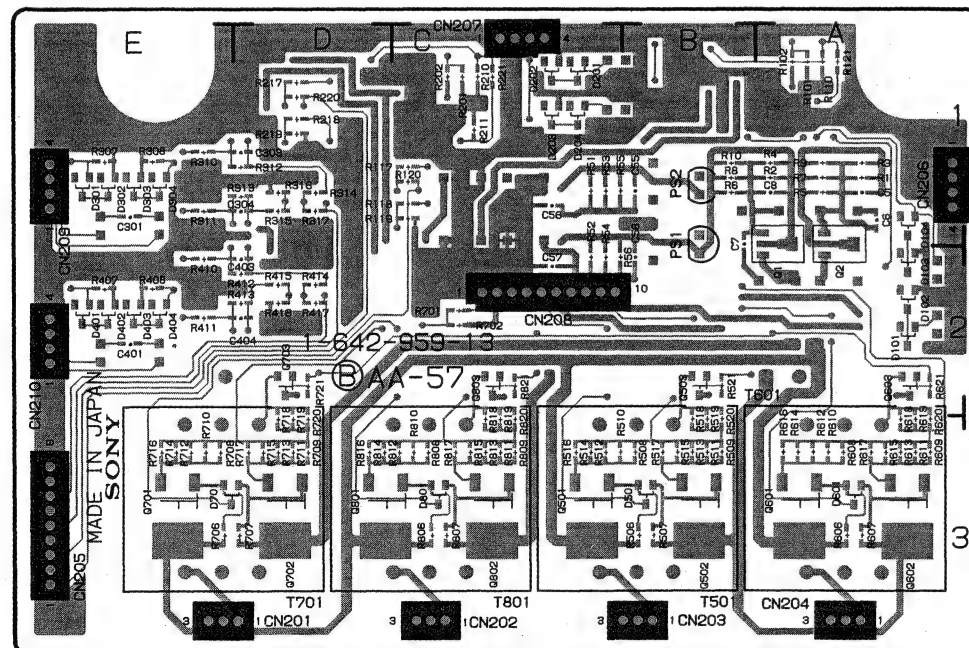


1-642-959-13 A SIDE

A Side is the same as Component Side

AA-57P BOARD

B Side



1-642-959-13 B SIDE

B Side is the same as Soldering Side

CN201 D-3
CN202 D-3
CN203 C-3
CN204 A-3
CN205 E-3
CN206 A-1
CN207 C-1
CN208 C-2
CN209 E-2
CN210 E-3

D101 A-2*
D102 A-2*
D103 A-2*
D104 A-2*
D201 C-1*
D202 C-1*
D203 C-1*
D204 C-1*
D301 E-1*
D302 E-1*
D303 E-1*
D304 E-1*
D401 E-2*
D402 E-2*
D403 E-2*
D404 E-2*
D501 B-3*
D601 A-3*
D701 E-3*
D801 C-3*

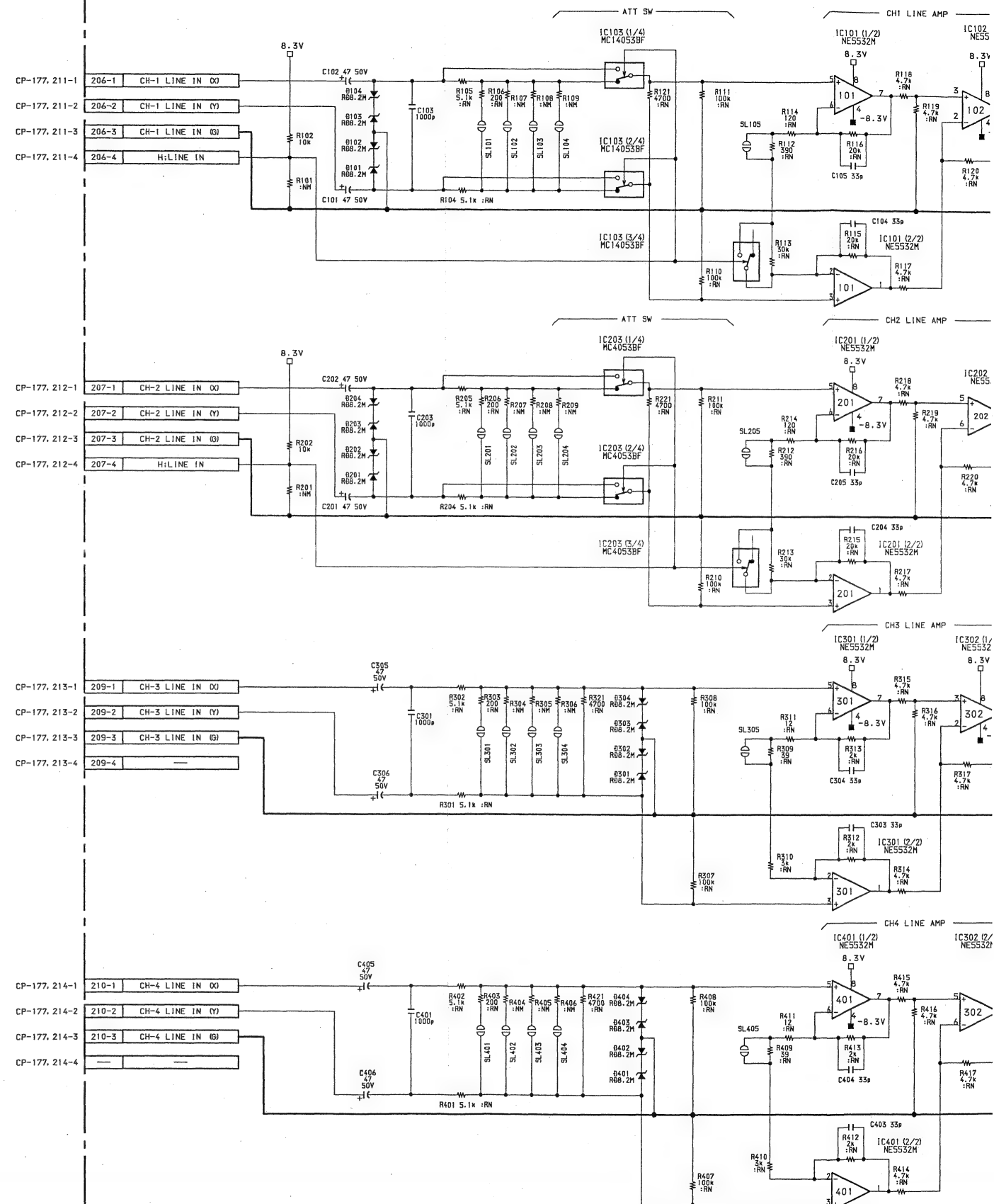
IC101 B-1
IC102 D-1
IC103 A-1
IC201 C-1
IC202 D-1
IC203 C-1
IC301 D-1
IC302 D-1
IC401 D-2
IC601 B-2
IC801 C-2

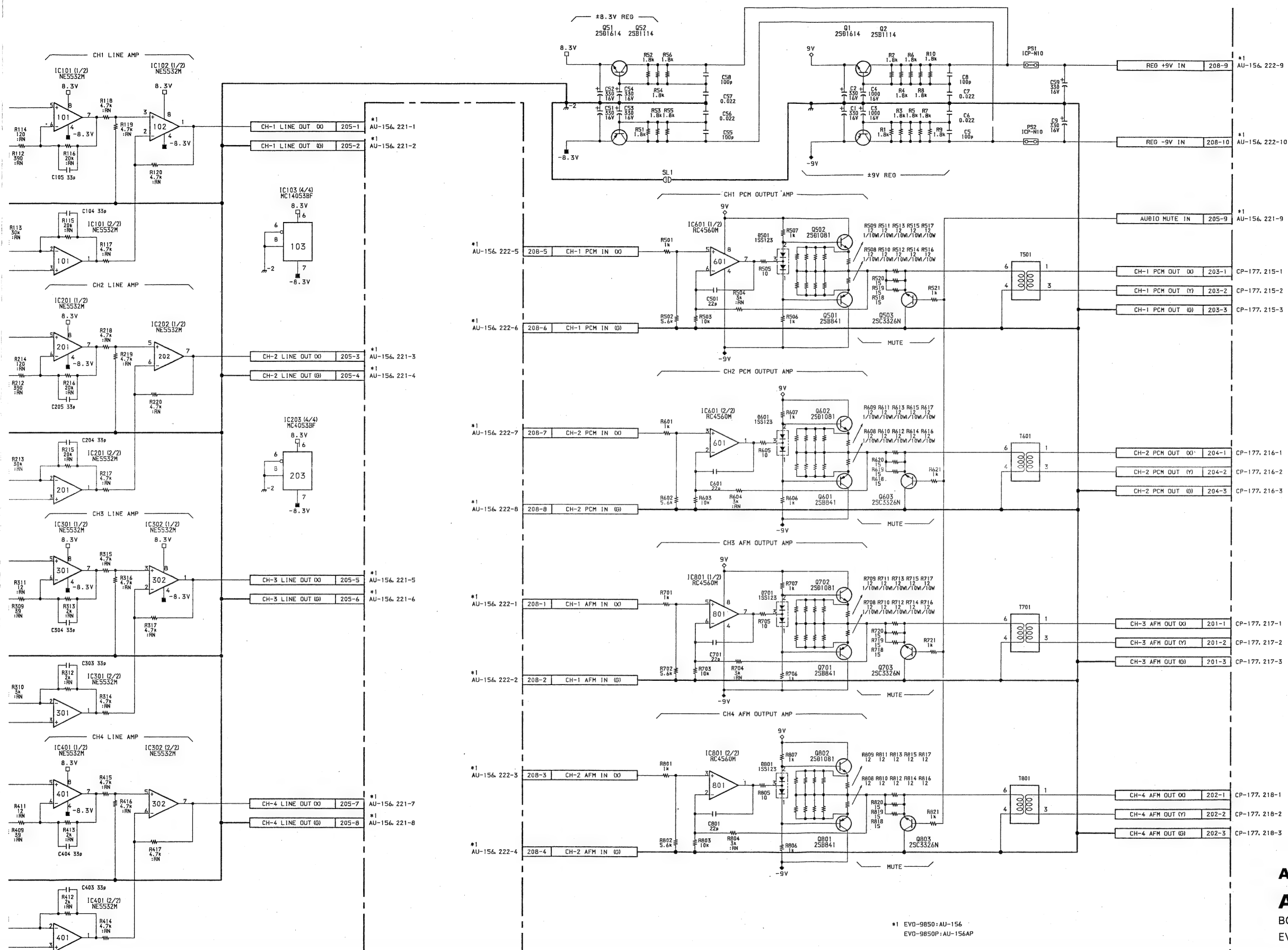
PS1 B-2
PS2 B-1

Q1 A-2*
Q2 A-2*
Q51 C-1
Q52 C-1
Q501 C-3*
Q502 B-3*
Q503 B-2*
Q601 A-3*
Q602 A-3*
Q603 A-2*
Q701 E-3*
Q702 D-3*
Q703 D-2*
Q801 D-3*
Q802 C-3*
Q803 C-2*

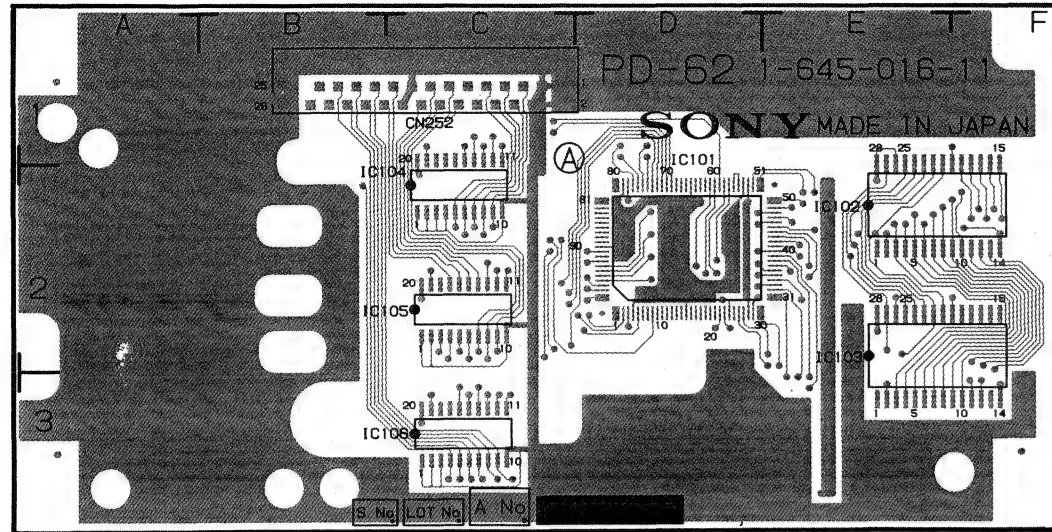
T501 C-3
T601 A-3
T701 E-3
T801 D-3

* mark ; B SIDE mount





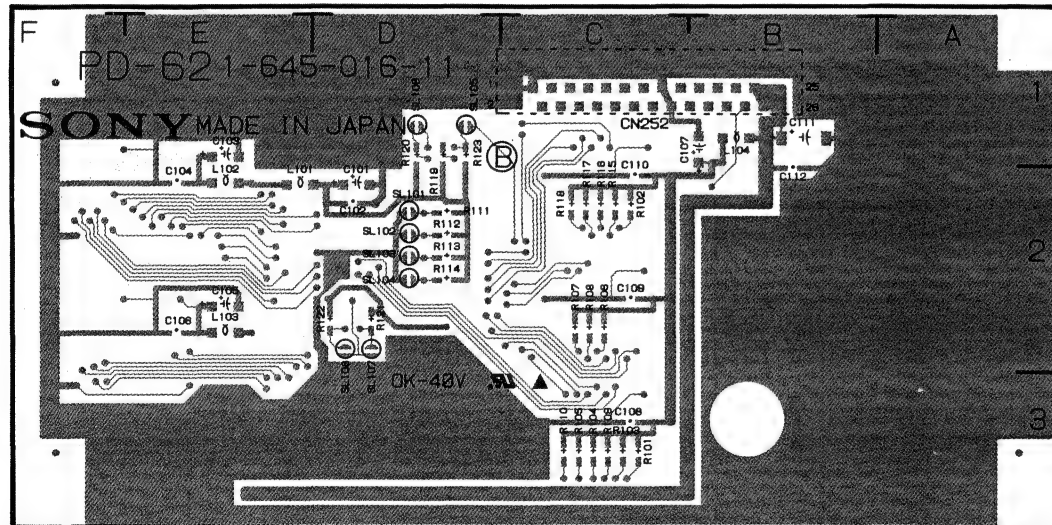
PD-62 BOARD A Side



1-645-016-11 A SIDE

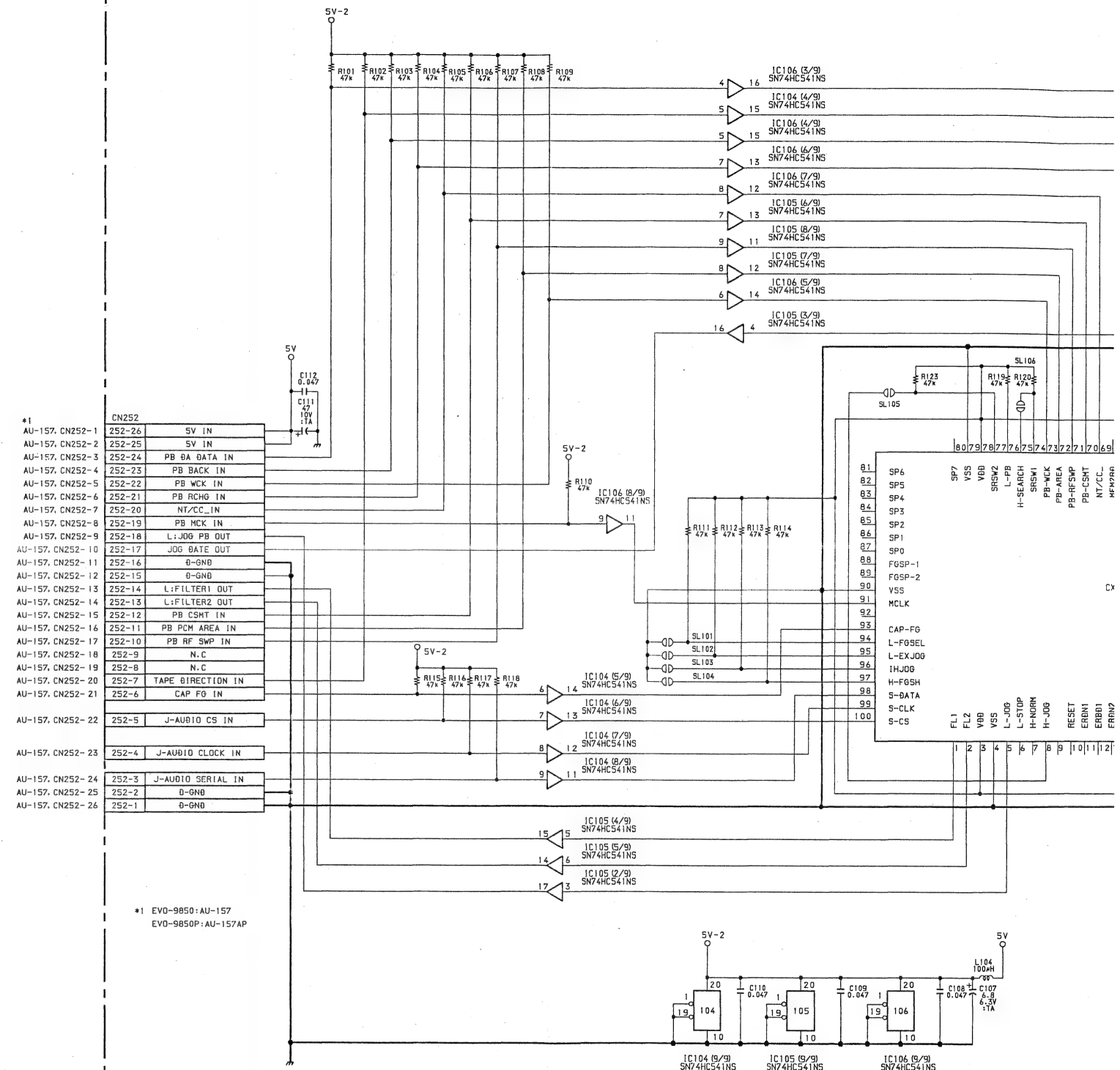
A Side is the same as Component Side

PD-62 BOARD B Side



1-645-016-11 B SIDE

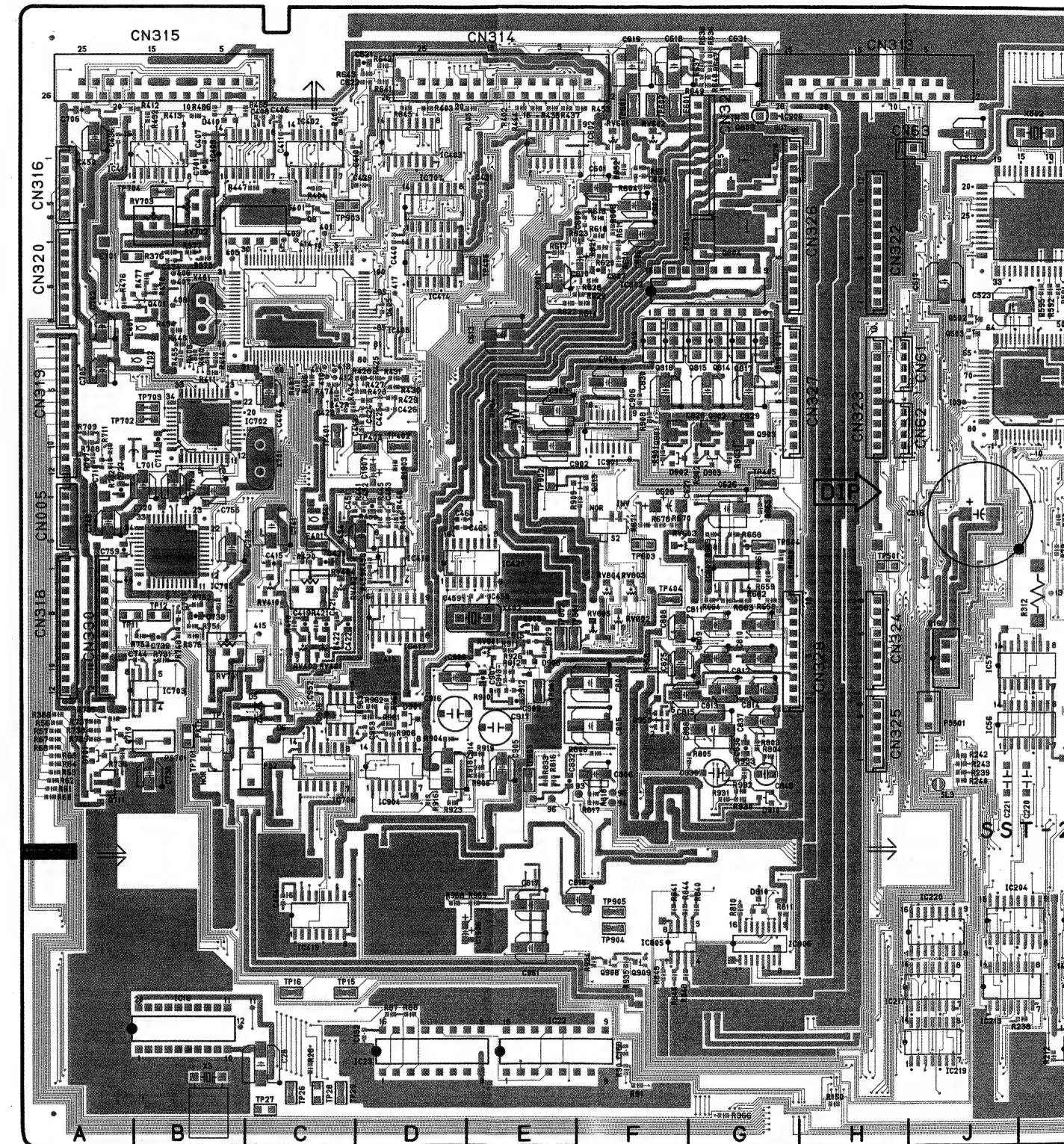
B Side is the same as Soldering Side



SST-2AP (1-642-951-21)

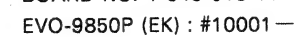
CN5	A-5	D604	F-3*	IC213	J-10	Q2	N-4*	Q904	E-6*	TP703	B-4
CN31	N-3	D605	F-2*	IC214	K-6	Q3	M-4*	Q905	E-6	TP704	A-2*
CN51	P-6	D701	A-7	IC216	P-10	Q4	P-4*	Q906	D-7*	TP801	F-6
CN52	N-6	D802	G-3*	IC217	H-9	Q6	P-2*	Q907	D-8*	TP802	E-6
CN53	Q-6	D810	G-9	IC219	J-10	Q8	C-2	Q908	F-9	TP803	E-7
CN54	R-6	D811	G-9*	IC220	J-9	Q15	Q-4*	Q909	F-9	TP901	E-7
CN55	R-6	D901	D-7	IC221	K-9	Q16	J-6	Q950	F-7	TP902	E-5
CN61	J-4	D902	F-5	IC401	C-2*	Q17	M-6*	Q951	G-8*	TP903	C-2
CN62	J-4	D903	G-5	IC402	C-2	Q18	M-5*	Q952	G-2*	TP904	F-9
CN63	H-2	D904	E-7*	IC403	D-2	Q19	L-5*	Q953	G-4*	TP905	F-9
CN307	R-3	D905	E-6	IC404	B-2*	Q20	L-5*	Q954	G-4*		
CN309	R-2	D906	F-4*	IC405	D-3	Q21	P-1	Q955	C-8*	X1	R-7
CN311	P-1	D907	G-4*	IC406	C-4*	Q201	K-8*	Q956	E-9*	X2	R-4
CN312	L-1	D908	F-4*	IC408	B-2	Q202	K-8*	Q957	E-8*	X3	B-10
CN313	H-1	D909	C-7*	IC409	B-3*	Q203	M-6*	Q958	J-6*	X201	N-9
CN314	E-1	D910	G-8	IC410	D-4*	Q204	M-6*			X401	B-3
CN315	B-1	D1001	Q-9*	IC411	A-2	Q205	K-10*	RV2	N-2	X402	E-6
CN316	A-2	D1002	Q-9*	IC412	D-3*	Q401	B-3	RV401	C-6	X501	L-4
CN318	A-6	D1501	K-3	IC414	D-3	Q402	D-3*	RV402	D-6	X502	K-1
CN319	A-4			IC415	D-3*	Q403	D-5*	RV403	C-6	X701	C-5
CN320	A-3	E1	M-8	IC416	D-5	Q404	D-6*	RV404	C-6		
CN321	G-2	E2	Q-1	IC417	D-6	Q501	L-3*	RV410	C-6		
CN322	H-3	E3	R-2	IC418	E-6*	Q502	J-3	RV601	F-2		
CN323	H-4	E401	C-5	IC419	C-9	Q503	J-3	RV602	F-2		
CN324	H-6	E501	K-2	IC420	E-6	Q504	K-4*	RV603	F-5		
CN325	H-7	E601	G-1	IC421	L-7	Q505	K-4*	RV701	B-7		
CN326	H-3	E701	A-3	IC501	M-2	Q506	J-4*	RV702	B-3		
CN327	H-4			IC502	K-2	Q507	J-4*	RV703	A-2		
CN328	H-7			IC503	L-4	Q509	J-5*	RV802	F-6		
CN329	R-1	IC2	N-5	IC504	M-2*	Q510	J-6*	RV803	F-6		
CN330	A-6	IC3	R-6	IC601	F-3*	Q511	J-2*	RV804	F-6		
		IC4	Q-3	IC602	F-2	Q512	K-3*	RV805	F-6		
COP1	N-5	IC5	Q-6	IC603	C-4*	Q513	J-3*	RV901	E-6		
		IC6	N-6	IC604	G-1*	Q514	J-3*	RV1001	R-10		
COR1	N-5	IC8	M-4	IC605	C-1*	Q602	F-3*				
		IC9	N-7	IC606	F-2*	Q603	F-3*	S1	N-5		
CV100	P-3	IC10	P-3	IC607	G-6	Q604	F-3*	S2	F-5		
		IC11	Q-7	IC701	B-2*	Q605	E-3*	S3	B-7		
D1	M-4	IC13	K-7	IC702	C-4	Q706	A-4*	S401	C-2		
D2	N-4*	IC14	R-9	IC703	B-7	Q707	A-5*				
D3	M-4*	IC15	P-4	IC704	A-2*	Q708	B-5*	TP1	B-7		
D5	C-7	IC16	B-9	IC705	B-6	Q709	A-5*	TP2	P-8		
D6	C-7	IC17	N-3	IC706	C-8	Q710	A-7	TP3	P-8		
D7	M-6*	IC18	N-5	IC707	D-2	Q711	A-8	TP11	A-6		
D10	L-6*	IC19	N-4	IC801	G-6*	Q712	B-5*	TP12	B-6		
D11	L-5*	IC21	P-8	IC802	F-3	Q713	B-6*	TP15	C-9		
D12	M-2*	IC22	E-10	IC803	F-8*	Q714	B-6*	TP16	C-9		
D13	J-7*	IC23	C-10	IC804	G-7*	Q715	B-6*	TP18	N-5		
D203	N-3*	IC51	L-5	IC805	F-9	Q716	B-6*	TP19	M-6		
D204	N-9*	IC52	Q-2	IC806	G-9	Q717	A-6*	TP20	M-6		
D206	K-6*	IC53	P-2	IC809	G-7*	Q718	A-6*	TP26	C-10		
D207	N-10*	IC54	Q-8	IC901	F-5	Q719	B-6*	TP27	C-10		
D401	C-5*	IC56	J-7	IC902	D-8*	Q802	G-2*	TP28	C-10		
D402	D-6*	IC57	J-7	IC903	D-7*	Q803	G-2	TP29	D-10		
D403	C-6*	IC100	R-3	IC904	D-8	Q804	G-3	TP30	P-2		
D404	C-5*	IC101	P-2	IC905	C-7	Q809	F-8*	TP201	P-9		
D405	C-6*	IC102	M-7	IC906	G-1	Q810	G-9*	TP401	C-4		
D406	C-6*	IC103	L-6	IC1001	Q-10	Q811	G-9*	TP402	D-4		
D407	C-6*	IC104	M-7	IC1002	Q-10	Q812	E-5*	TP403	D-4		
D408	C-6*	IC105	P-2	IC1003	R-10	Q813	F-5	TP404	F-6		
D410	B-2	IC201	P-10			Q814	G-4	TP405	G-5		
D411	C-9*	IC202	N-9	PS1	Q-1	Q815	G-4	TP406	E-3		
D502	K-2*	IC203	N-7	PS2	C-7	Q816	G-4	TP501	H-5		
D503	J-3*	IC204	J-8	PS3	Q-2	Q817	G-4	TP601	F-1		
D504	J-4*	IC208	N-9	PS501	J-7	Q818	F-4	TP602	F-1		
D505	J-5*	IC209	L-9	PS701	B-7	Q819	F-3	TP603	F-5		
D506	K-4*	IC210	L-9	PS801	G-3	Q901	F-4	TP604	G-5		
D602	E-3*	IC211	K-8			Q902	G-4	TP701	B-7		
D603	E-3*	IC212	K-10	Q1	P-4*	Q903	G-4	TP702	A-4		

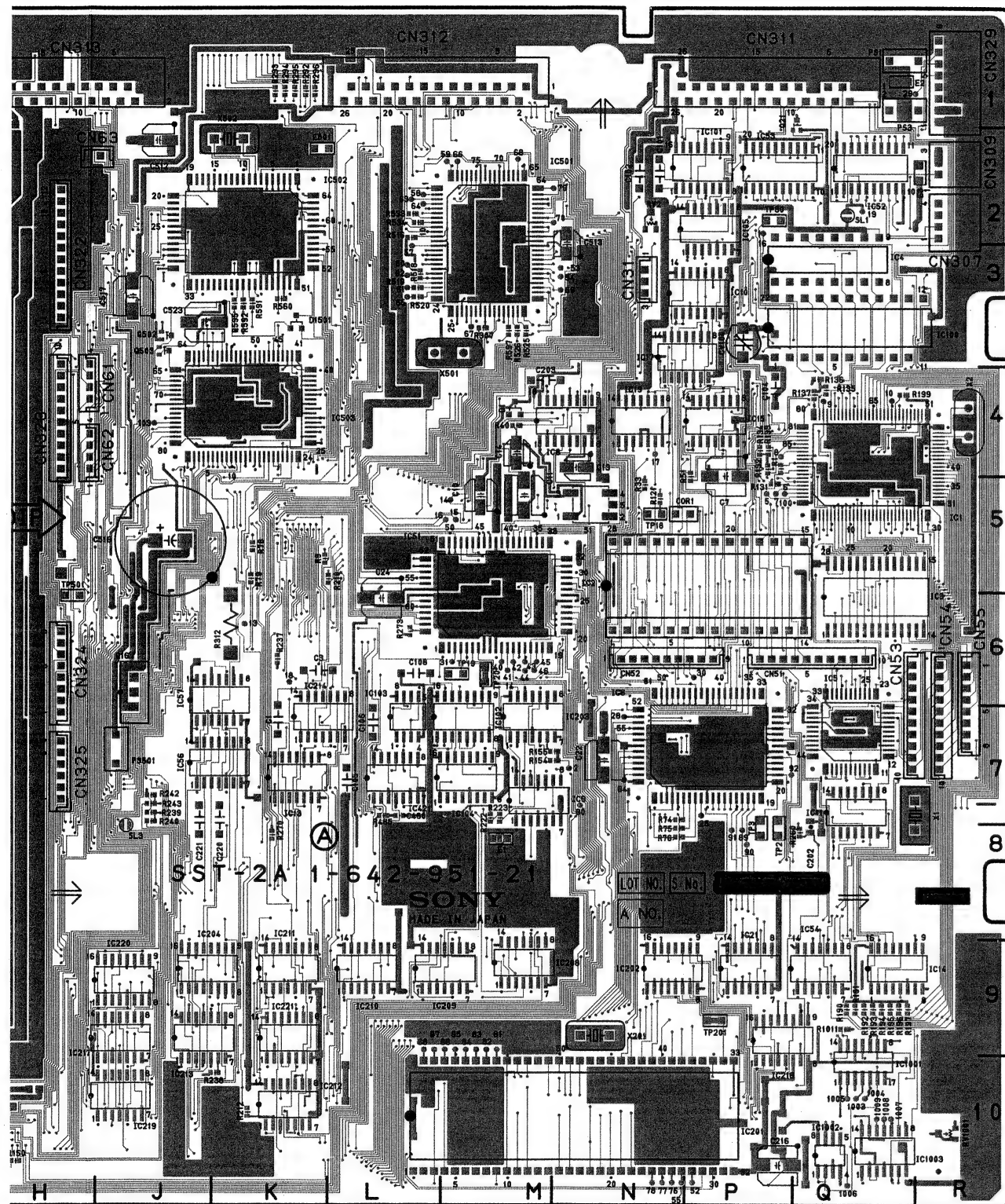
* mark ; B SIDE mount

SST-2AP BOARD
A Side

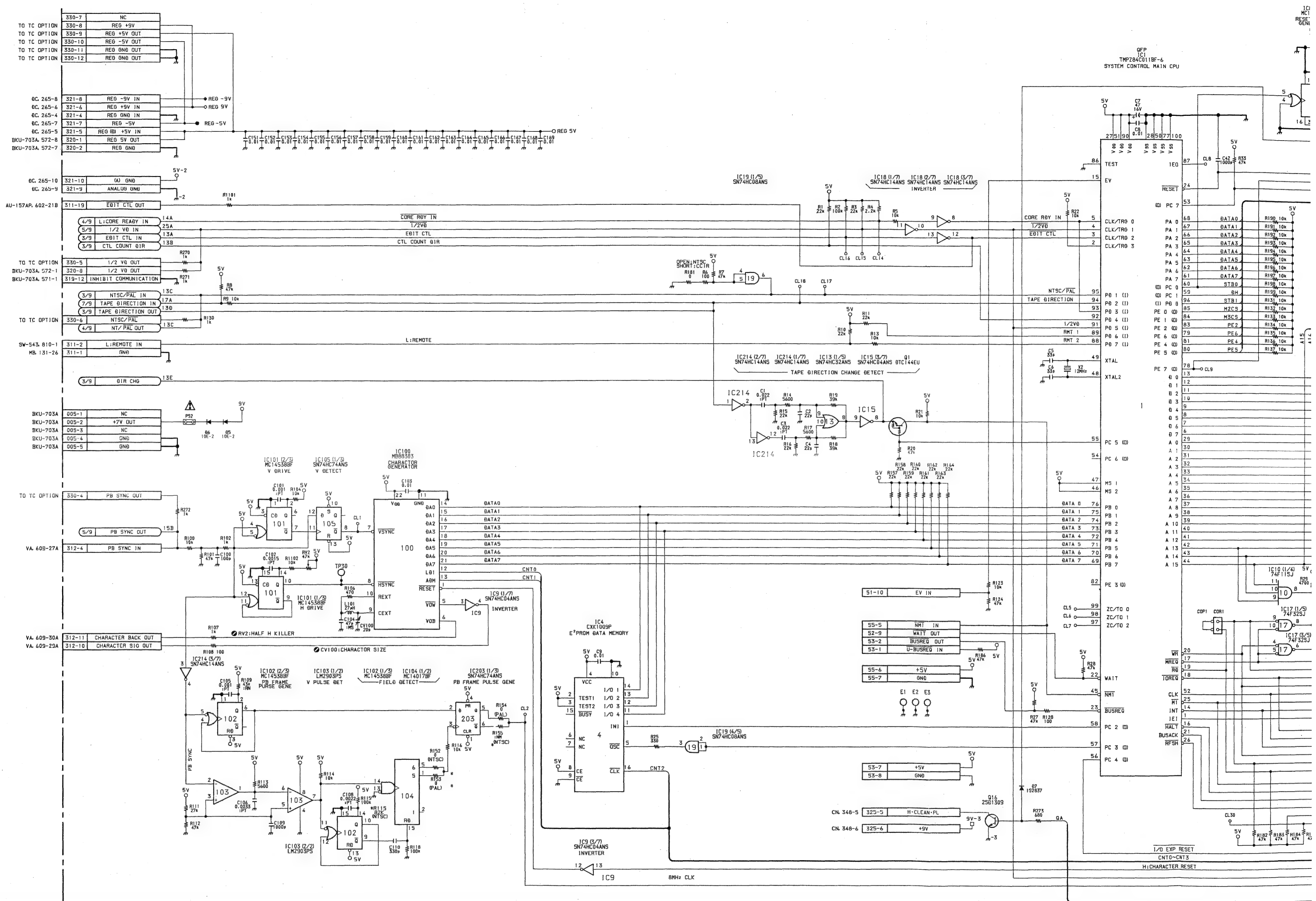
1-642-951-21 A SIDE

A Side is the same as Component Side











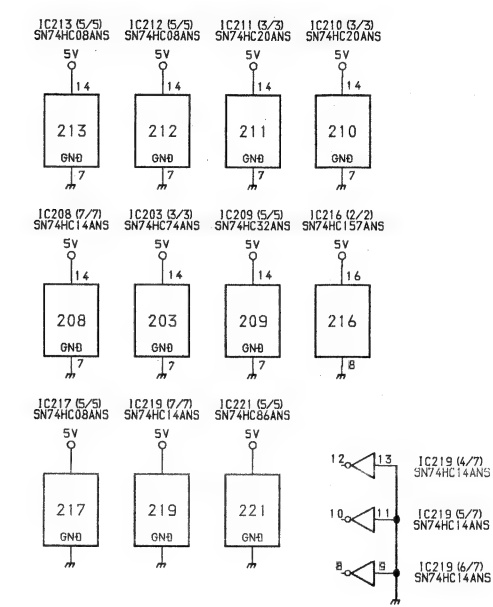
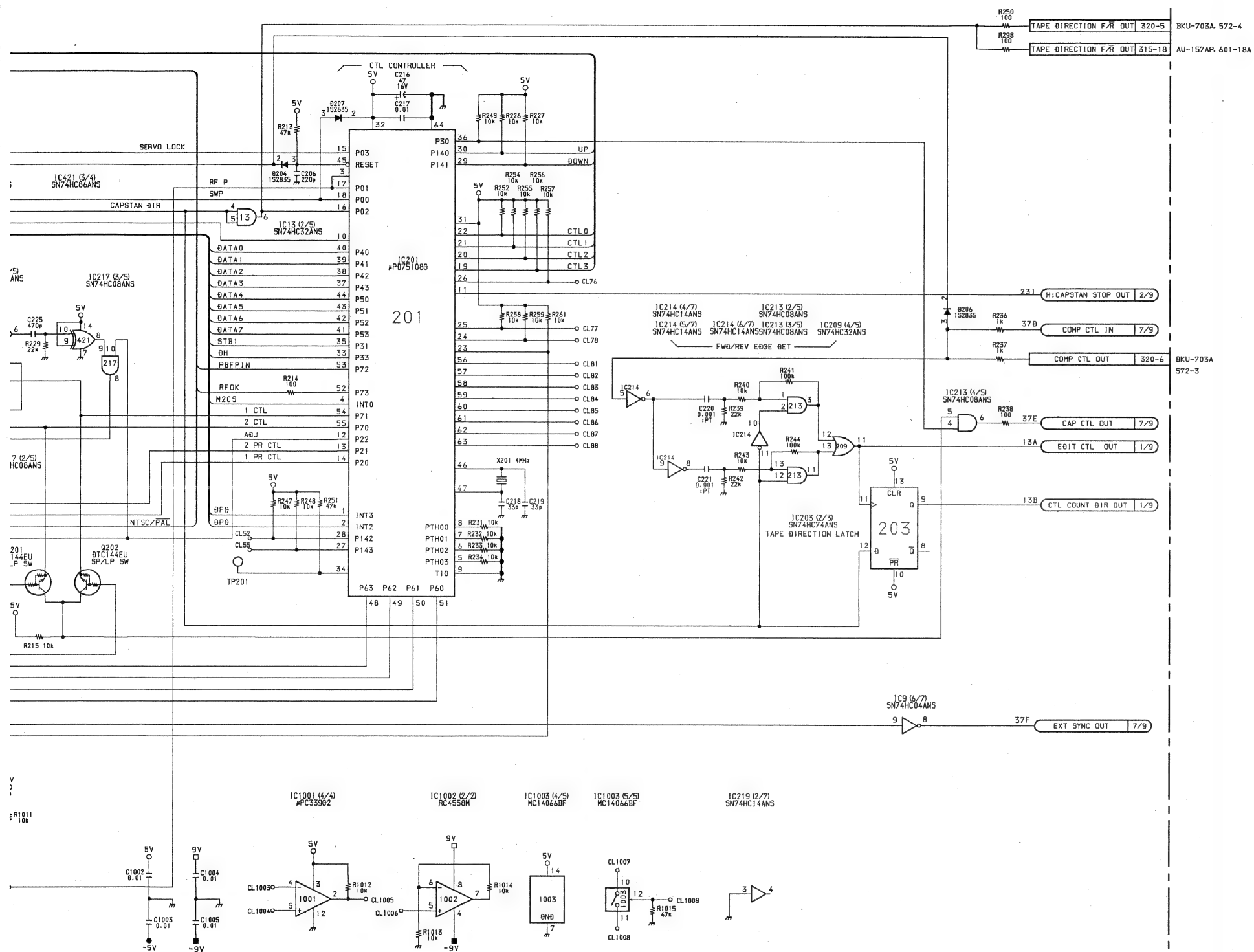


SST-2AP BOARD (2/9)

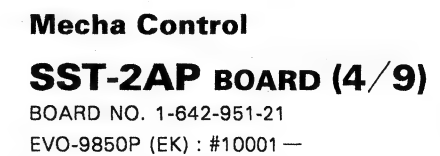
5

EVO-9850P (EK) : #10001 —

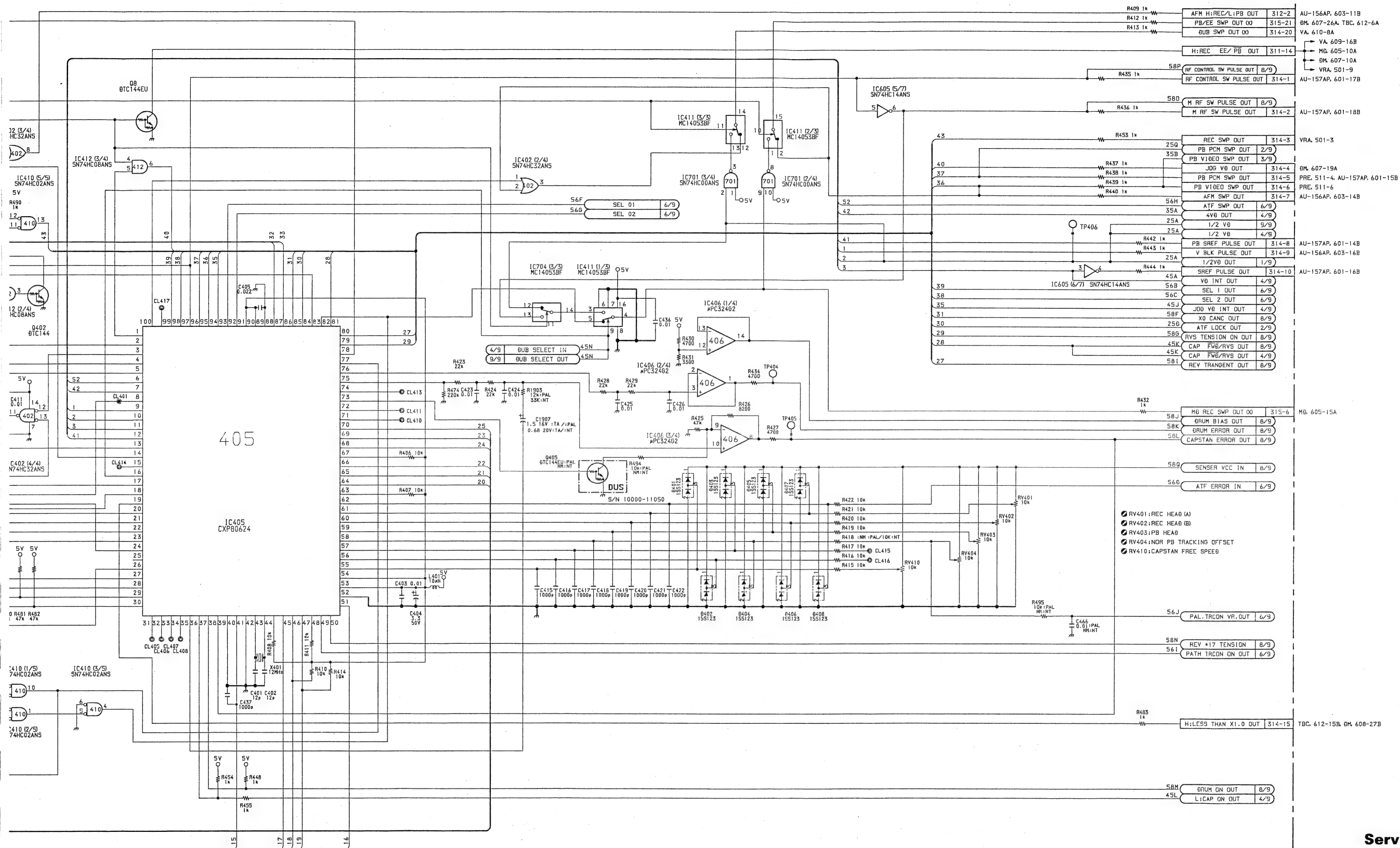










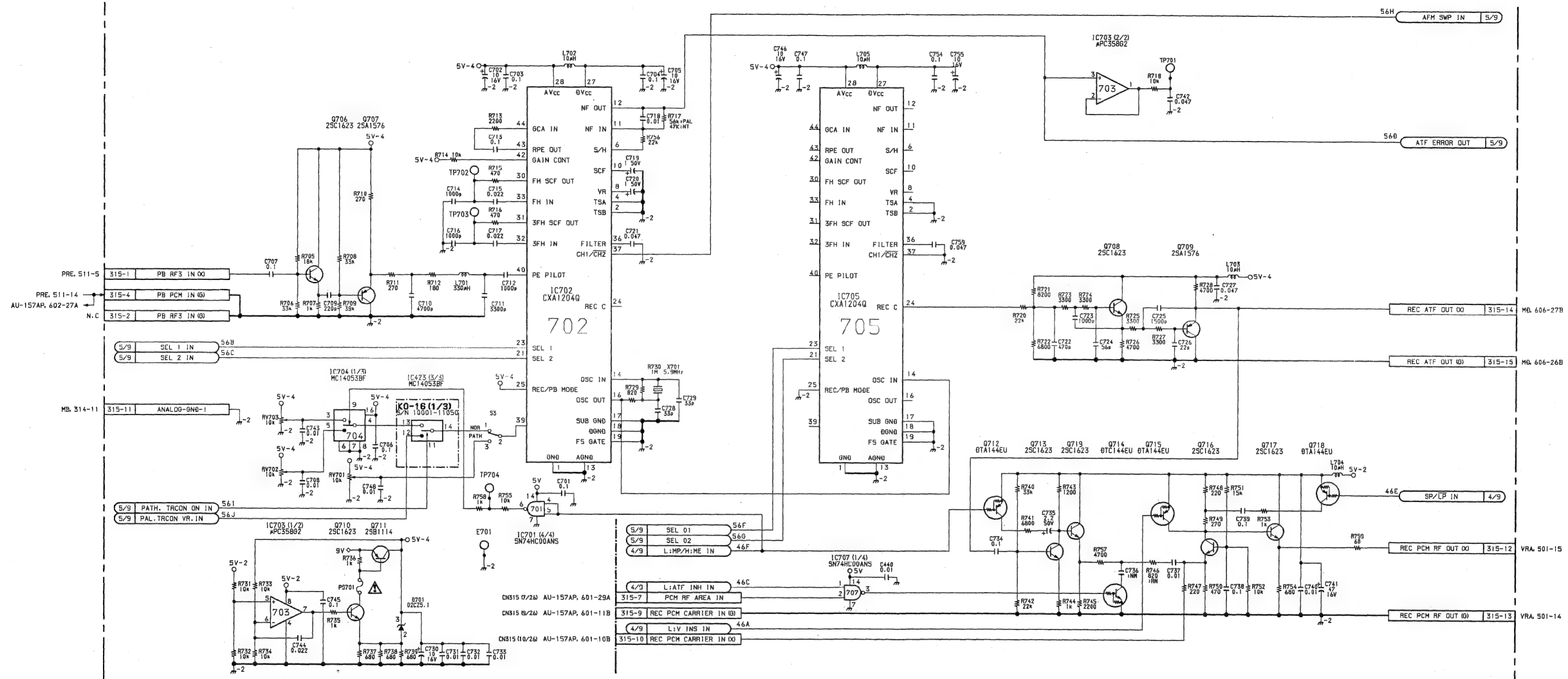


Servo Control

SST-2AP BOARD (5/9)

BOARD NO. 1-642-951-21

EVO-9850P (EK) : #10001—

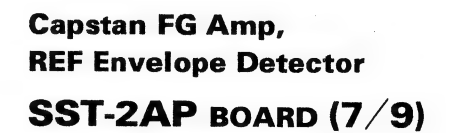


ATF Process

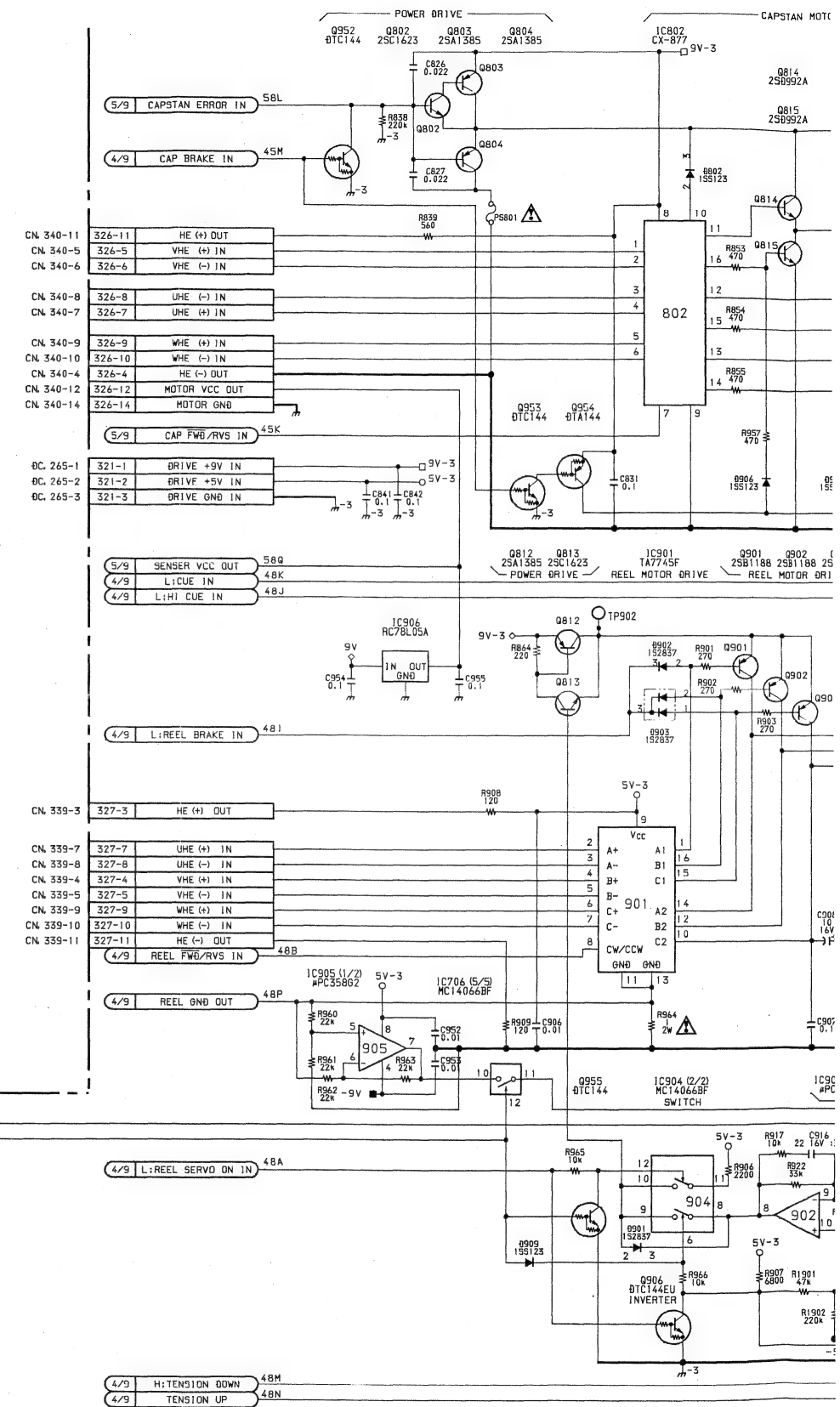
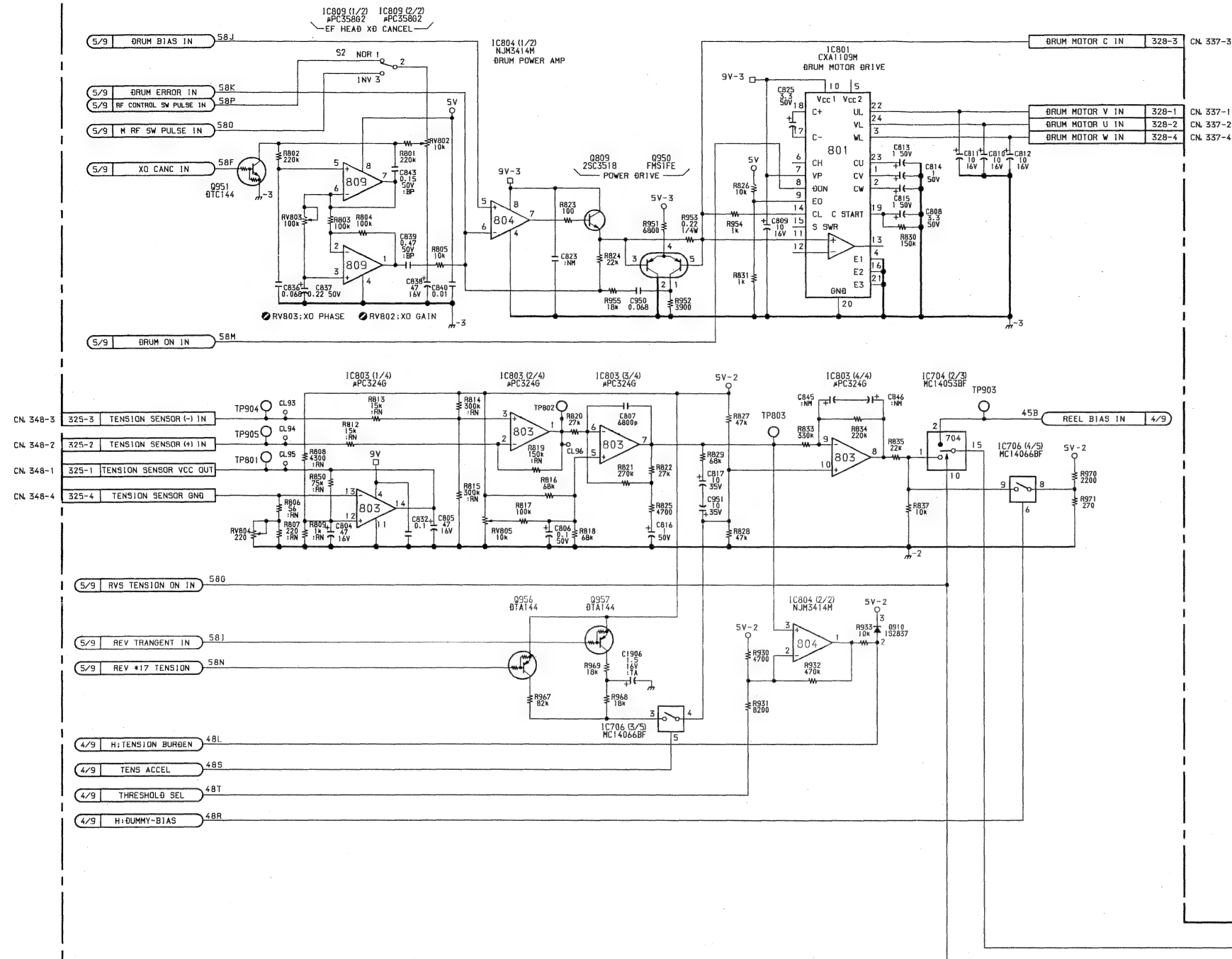
SST-2AP BOARD (6/9)

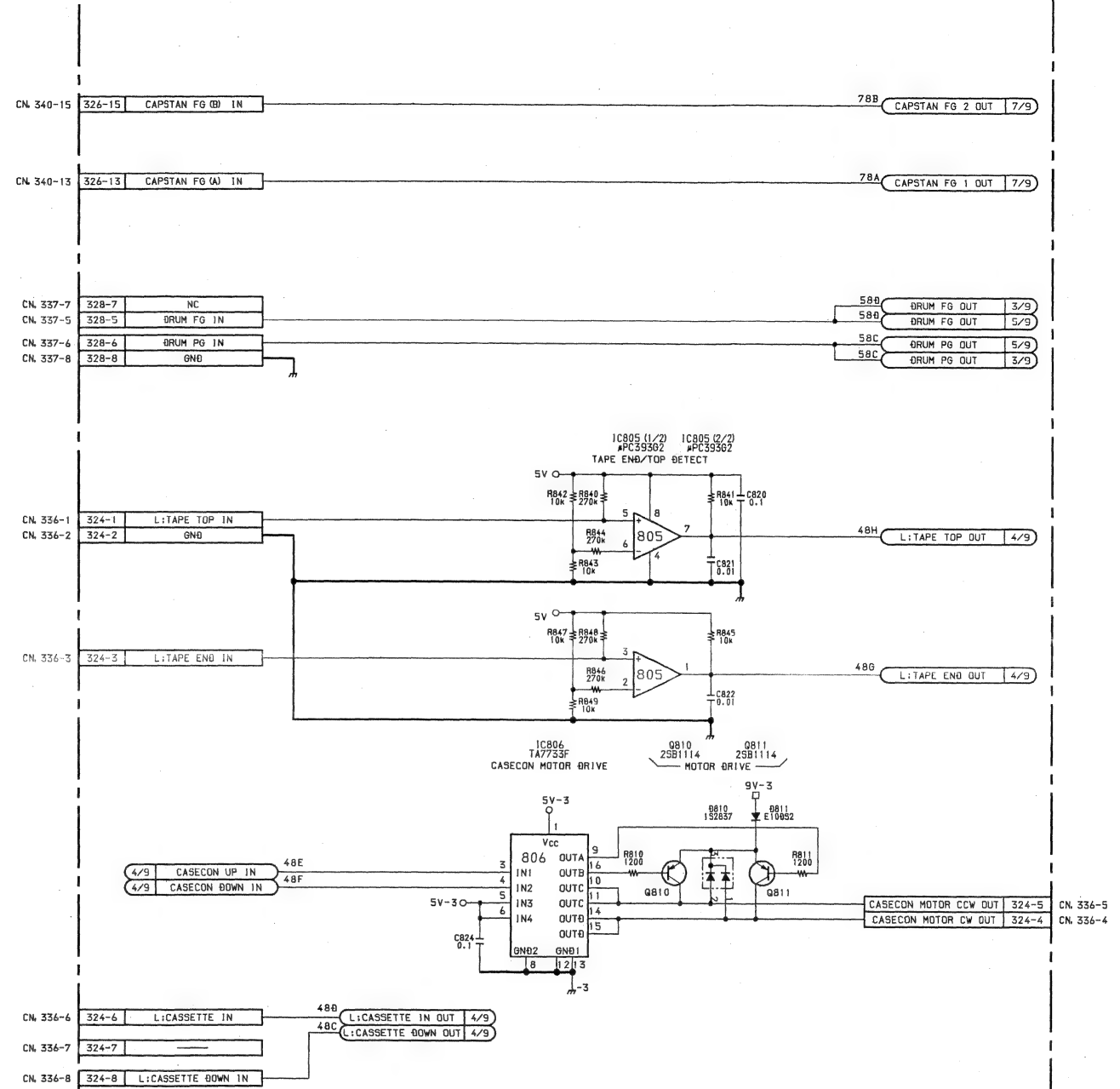
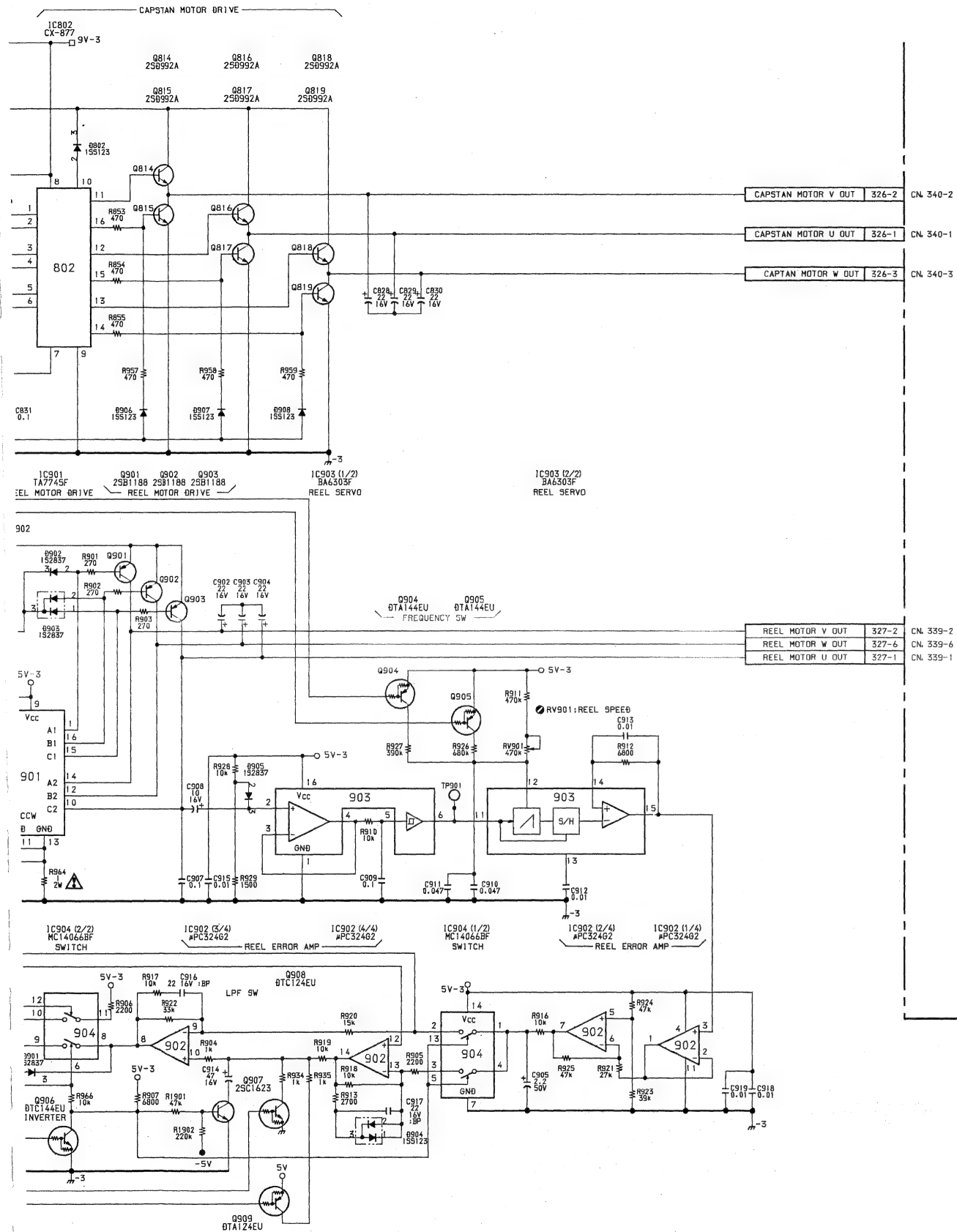
BOARD NO. 1-642-951-21

EVO-9850P (EK) : #10001 —



BOARD NO. 1-642-951-21
EVO-9850P (EK) : #10001 —

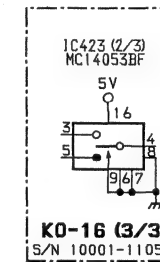


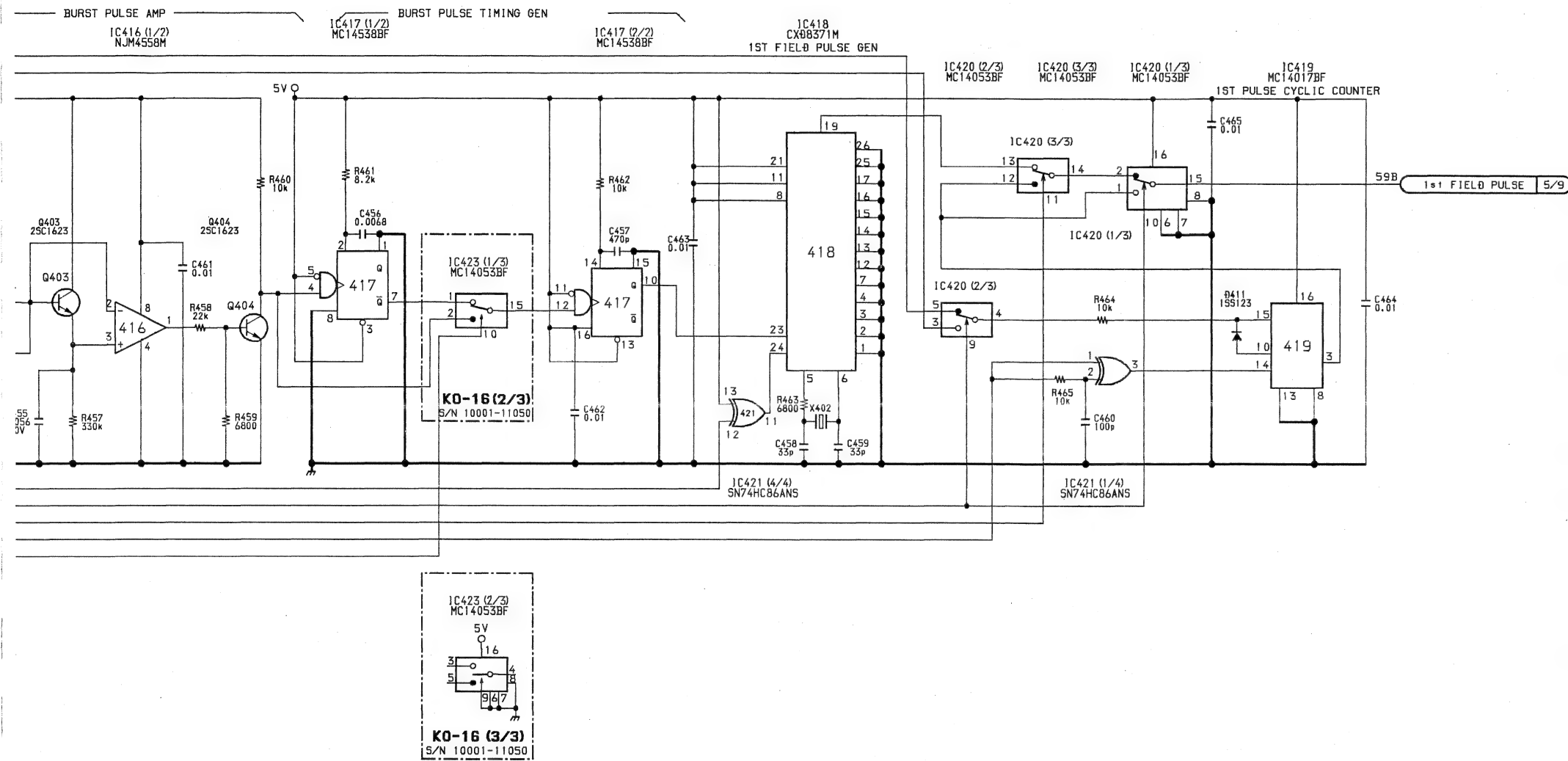


Motor Drive

SST-2AP BOARD (8/9)

BOARD NO. 1-642-951-21
EVO-9850P (EK) : #10001 —





1st Field Pulse Genelator

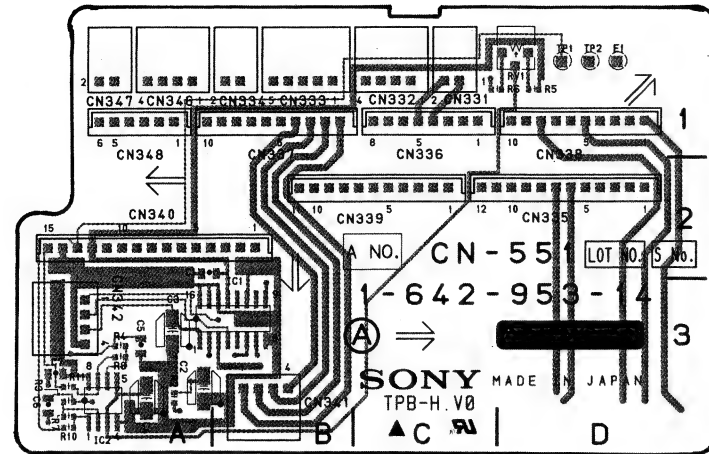
SST-2AP BOARD (9/9)

BOARD NO. 1-642-951-21

EVO-9850P (EK) : #10001 —

CN-551P BOARD

A Side

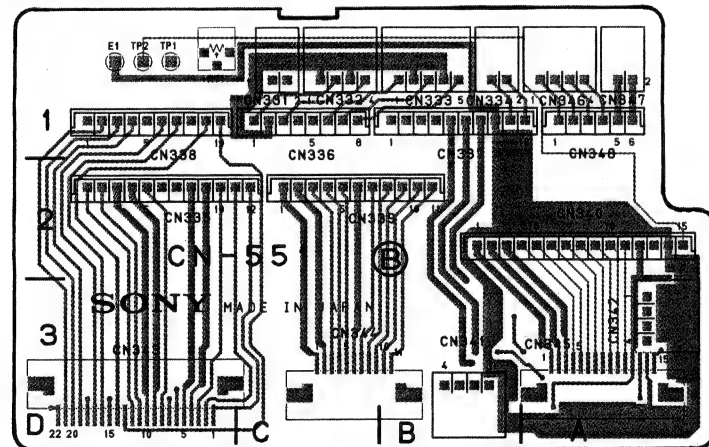


1-642-953-14 A SIDE

A Side is the same as Component Side

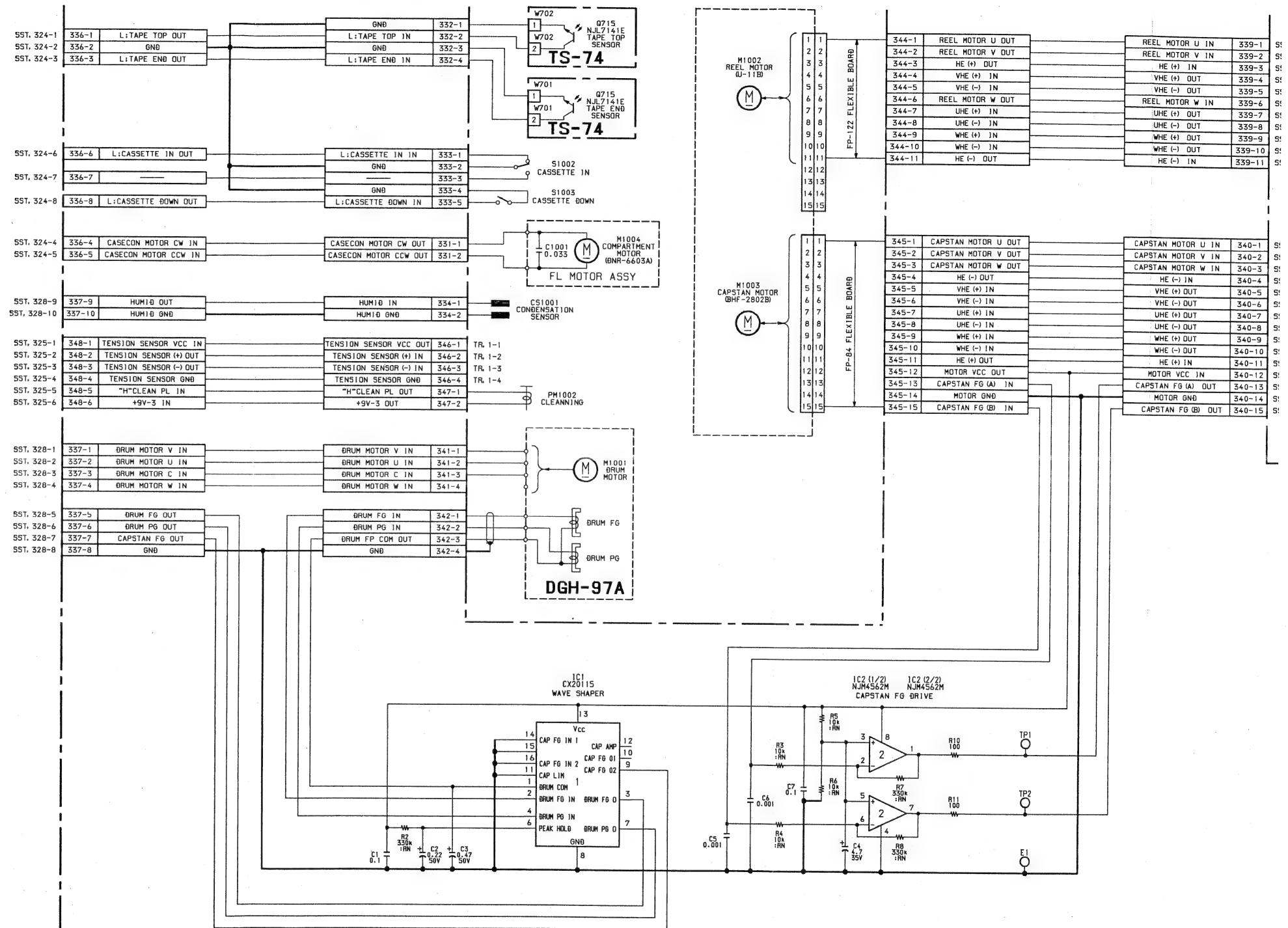
CN-551P BOARD

B Side





1-642-953-14 B SIDE


B Side is the same as Soldering Side





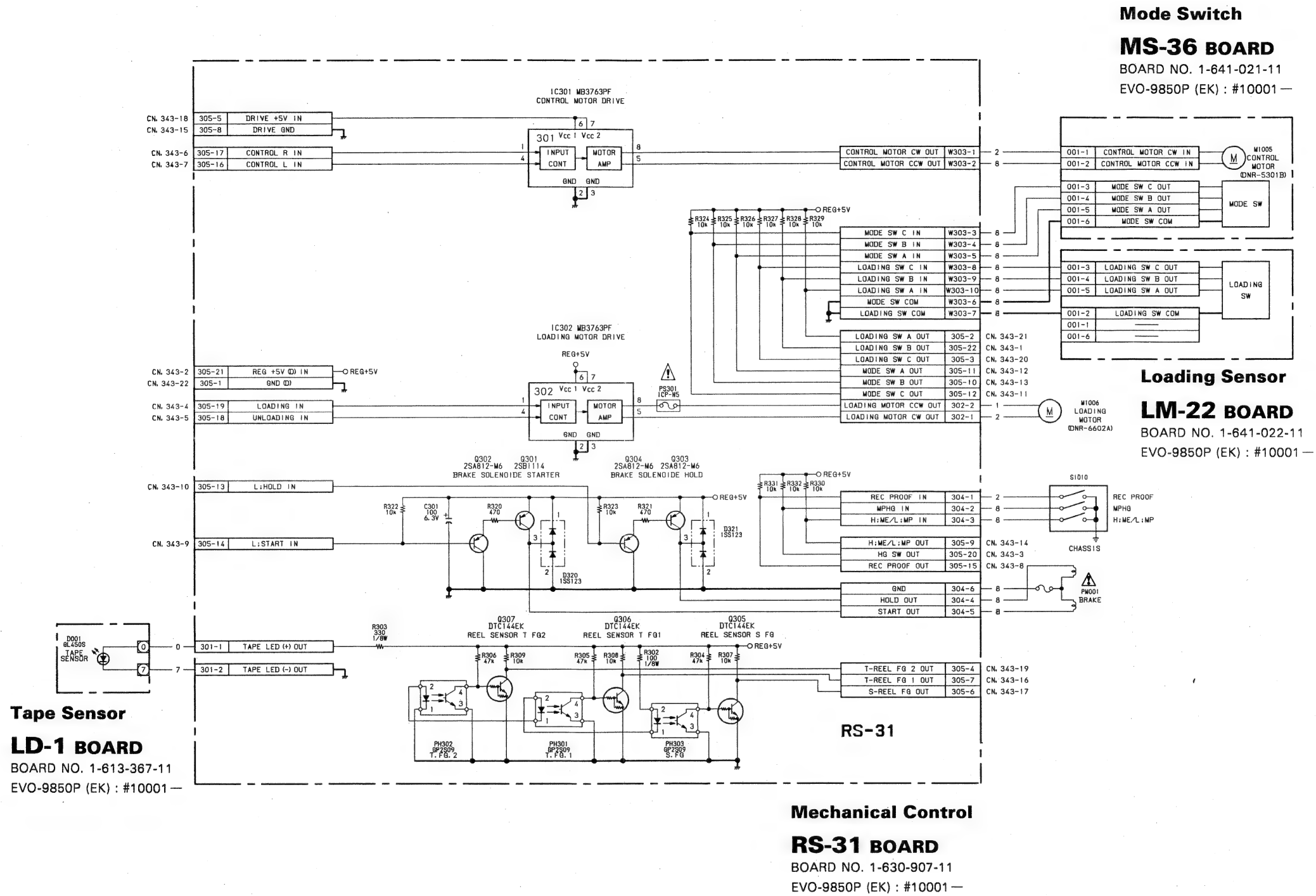
TO
RS-31 BOARD
CNG01

(TAPE LED1 -) 
(TAPE LED1 +) 

D901 

1-613-367-

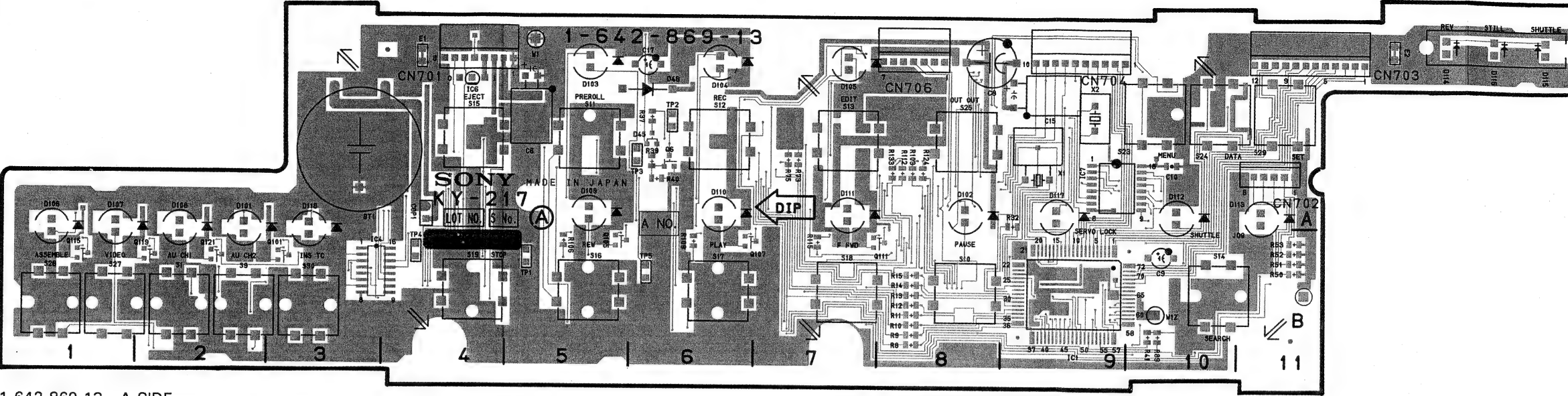
EVO-9850P (EK) : #10001 —



KY-217 (1-642-869-13)

BT1	A-3	Q106	B-6*
		Q107	B-6
CN701	A-4	Q108	A-8*
CN702	A-11	Q109	A-8*
CN703	A-11	Q110	B-7*
CN704	A-9	Q111	B-7
CN706	A-8	Q112	A-7*
		Q113	A-7*
COP1	A-4	Q114	B-1*
		Q115	B-1
D1	B-2*	Q116	A-8*
D9	B-2*	Q117	A-8*
D10	B-8*	Q118	B-1*
D11	A-5*	Q119	B-1
D13	A-7*	Q120	B-2*
D14	B-10*	Q121	B-2
D15	A-4*	Q122	A-8*
D17	B-6*	Q123	A-8*
D19	B-4*	Q124	B-7*
D23	A-10*		
D24	A-10*	S1	B-2
D25	A-8*	S9	B-2
D26	B-1*	S10	B-8
D29	A-11*	S11	A-5
D30	B-3*	S12	A-6
D45	A-6*	S13	A-7
D48	A-6	S14	B-10
D49	A-4*	S15	A-4
D50	A-4*	S16	B-5
D51	A-4*	S17	B-6
D52	B-10*	S18	A-7
D54	A-6*	S19	B-4
D101	A-2	S23	A-9
D102	A-8	S24	A-10
D103	A-5	S25	A-8
D104	A-6	S26	B-1
D105	A-7	S27	B-1
D106	A-1	S29	A-11
D107	A-1	S30	B-3
D108	A-2		
D109	A-5	X1	A-9
D110	A-6	X2	A-9
D111	A-7		
D112	A-10	* mark ; B SIDE mount	
D113	A-11		
D114	A-11		
D115	A-11		
D116	A-11		
D117	A-9		
D118	A-3		
IC1	B-9		
IC4	B-3		
IC6	A-4		
IC7	A-9		
Q2	B-9*		
Q3	B-9*		
Q4	B-9*		
Q5	A-9*		
Q6	A-6*		
Q7	B-9*		
Q15	B-9*		
Q100	B-2*		
Q101	B-3		
Q102	A-8*		
Q103	A-8*		
Q104	B-5*		
Q105	B-5		

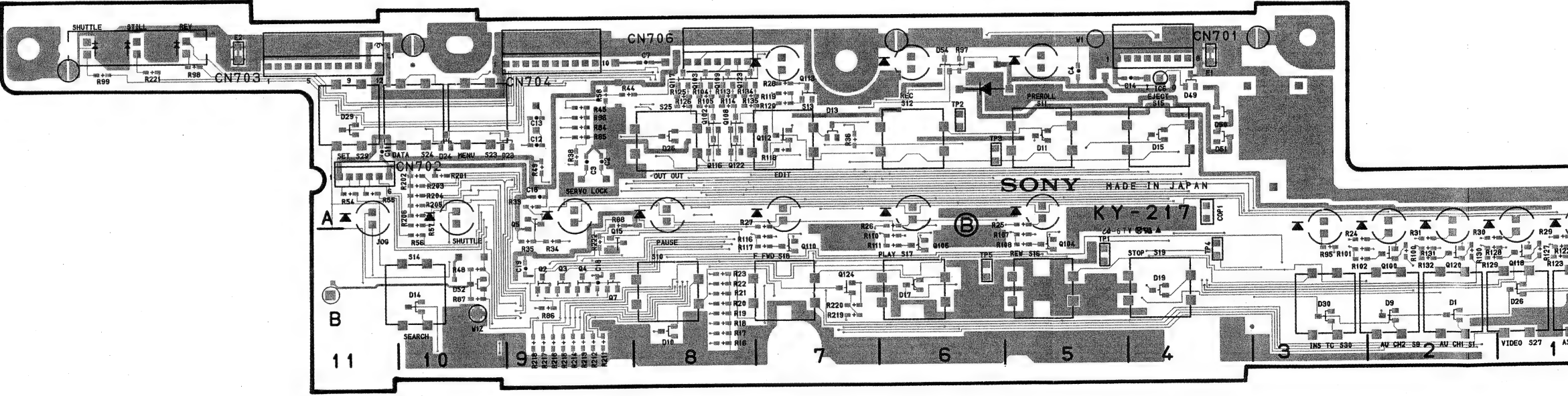
KY-217 BOARD
A Side



1-642-869-13 A SIDE

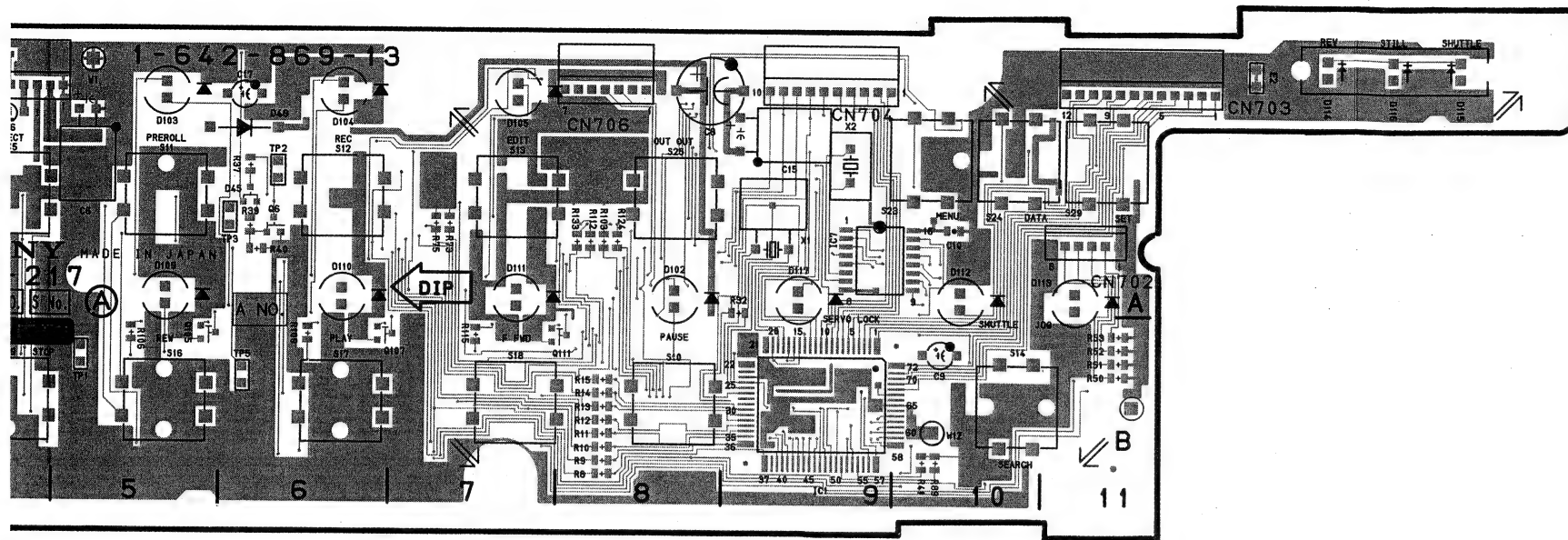
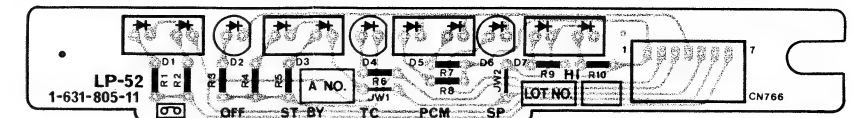
A Side is the same as Component Side

KY-217 BOARD
B Side

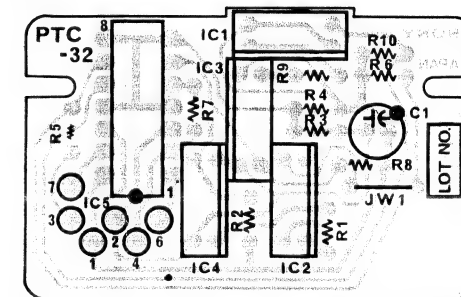


1-642-869-13 B SIDE

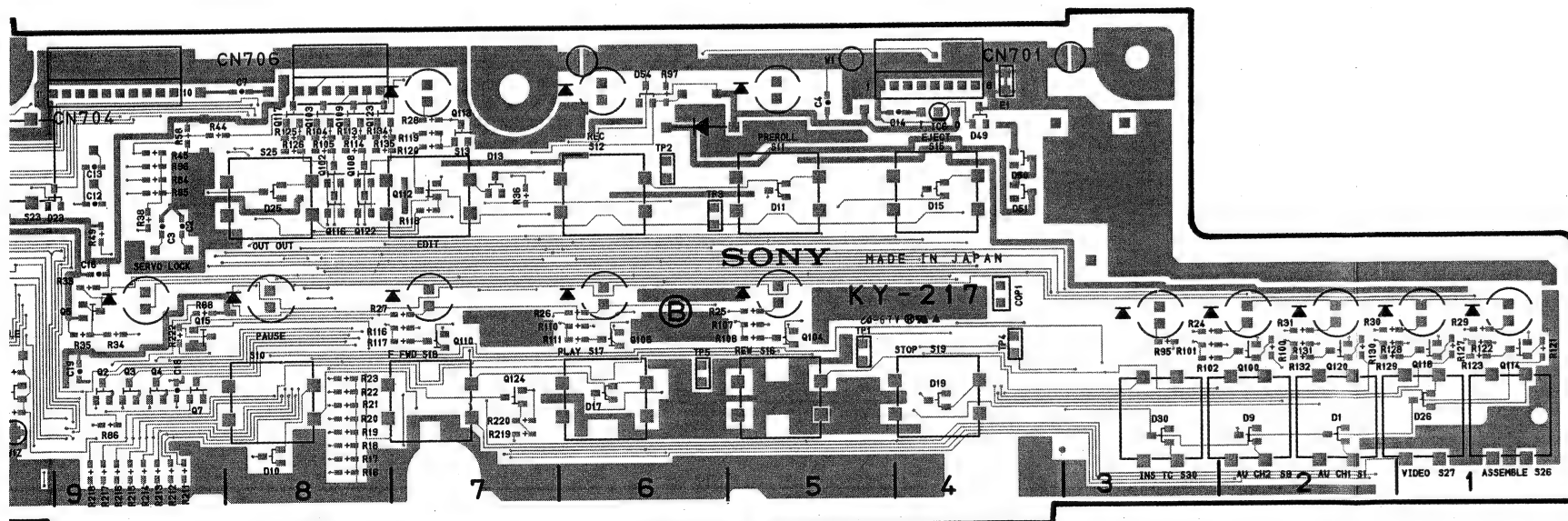
B Side is the same as Soldering Side

**LP-52 BOARD****Component Side**

1-631-805-11 COMPONENT SIDE

PTC-32 BOARD**Component Side**

1-622-638-12 COMPONENT SIDE



E

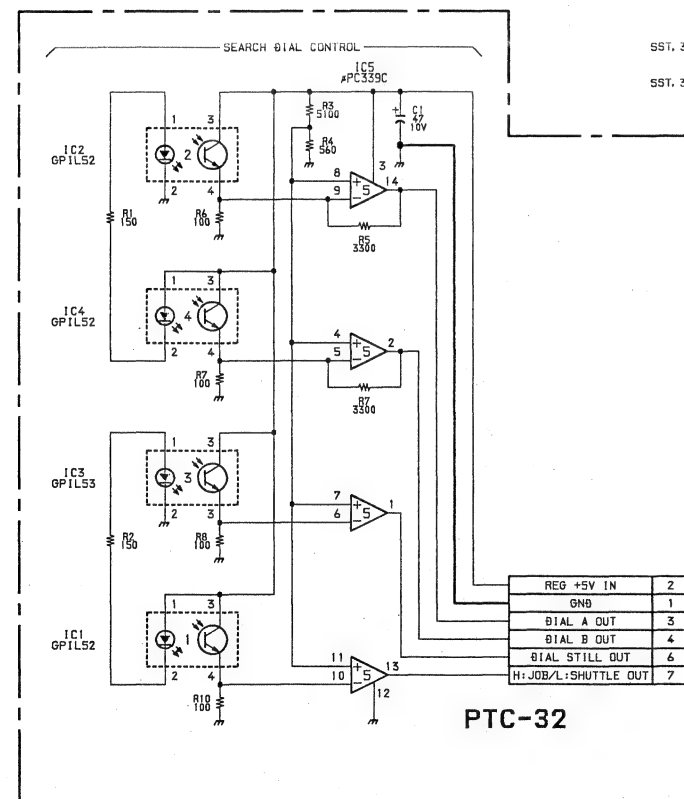
s Soldering Side

Search Dial

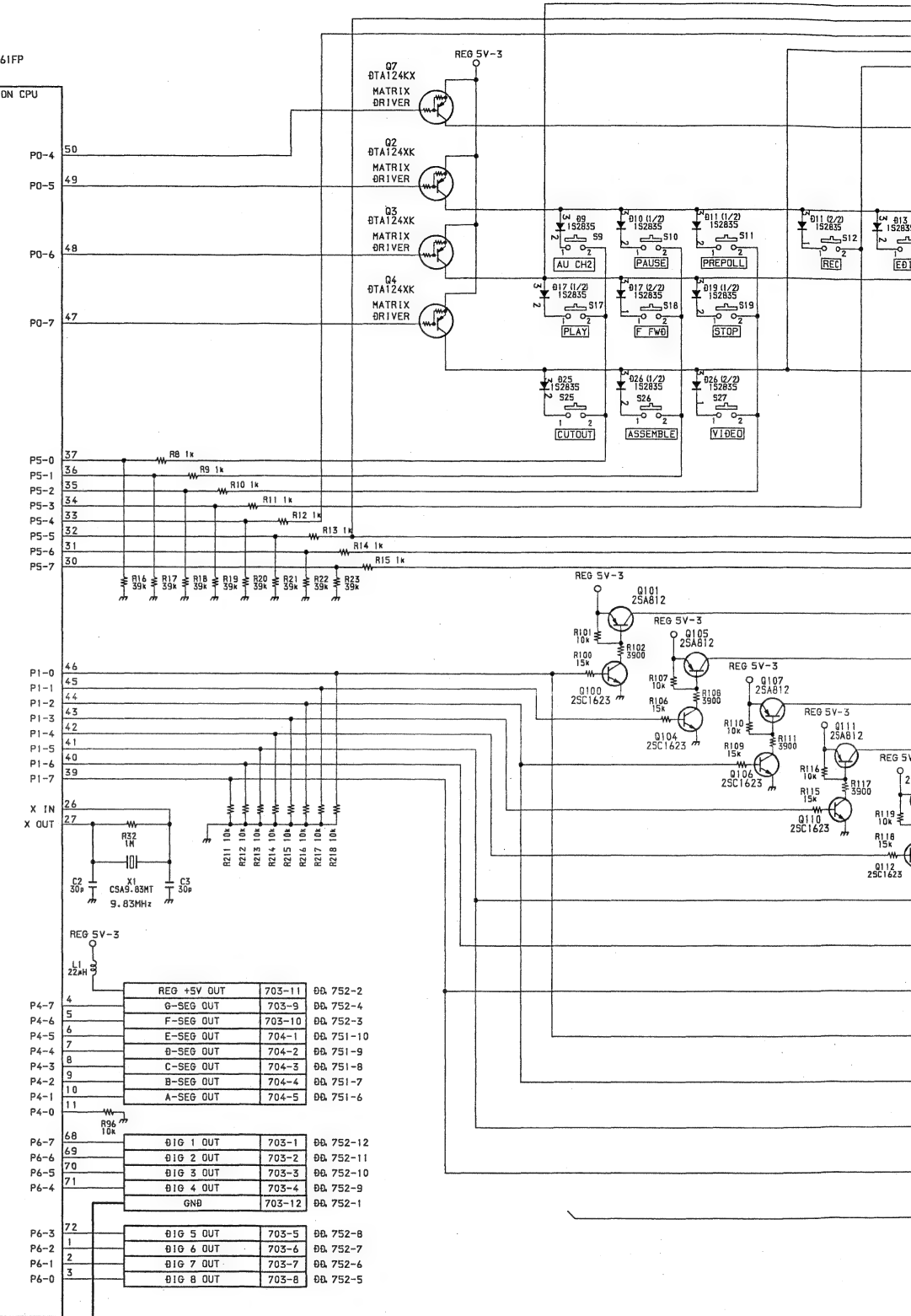
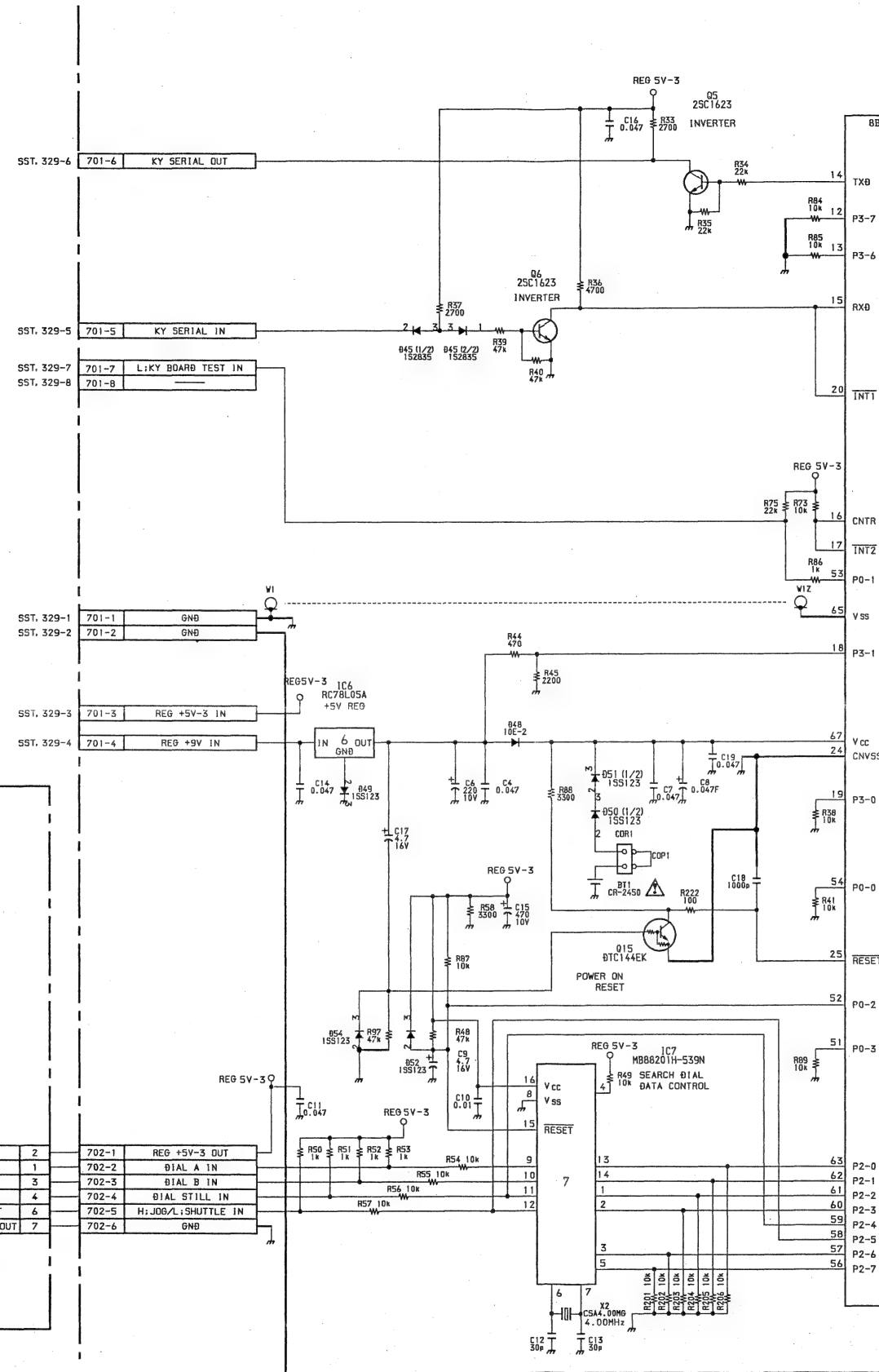
PTC-32 BOARD

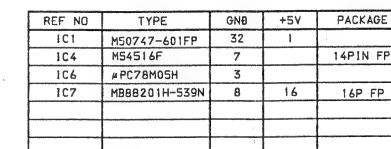
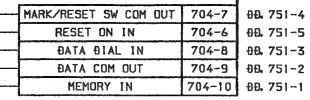
BOARD NO. 1-622-638-12

EVO-9850P (EK) : #10001 —



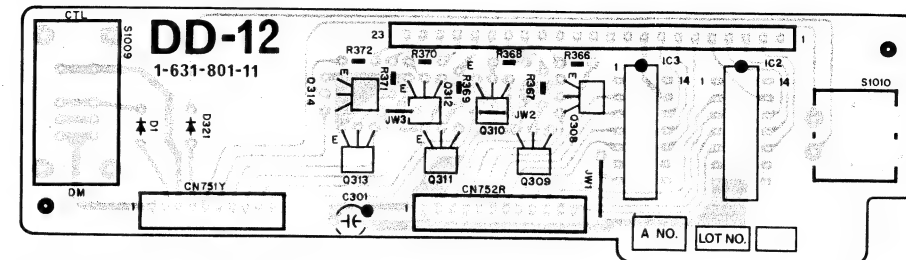
PTC-32





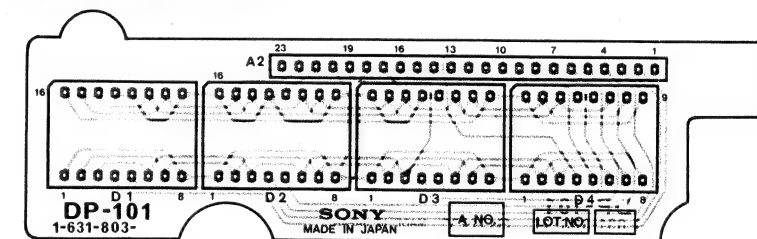
BOARD NO. 1-642-869-13
EVO-9850P (EK) : #10001 —

DD-12 BOARD
Component Side



1-631-801-11 COMPONENT SIDE

DP-101 BOARD
Component Side



1-631-803-12 COMPONENT SIDE

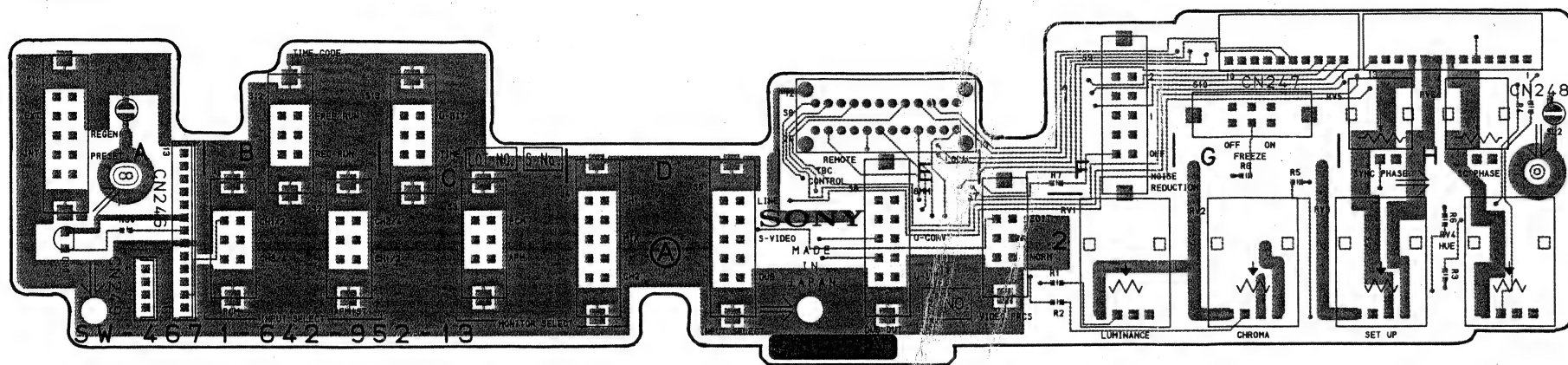
KY. 703-11
KY. 703-5
KY. 703-10
KY. 704-1
KY. 704-2
KY. 704-3
KY. 704-4
KY. 704-5
KY. 704-6

KY. 703-1
KY. 703-2
KY. 703-3
KY. 703-4
KY. 703-12

KY. 703-5
KY. 703-6
KY. 703-7
KY. 703-8

KY. 704-7
KY. 704-6

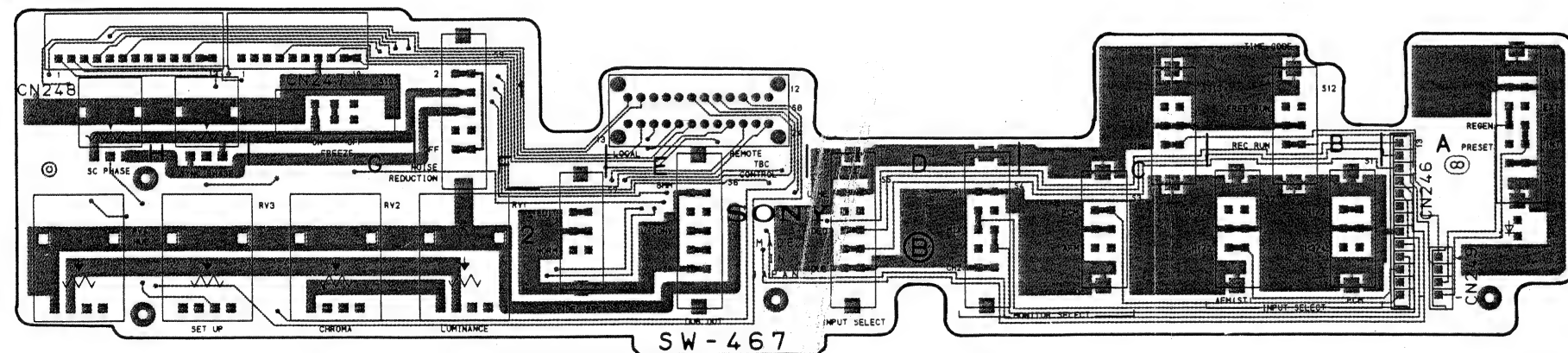
SW-467P BOARD A Side



1-642-952-13 A SIDE

A Side is the same as Component Side

SW-467P BOARD B Side



1-642-952-13 B SIDE

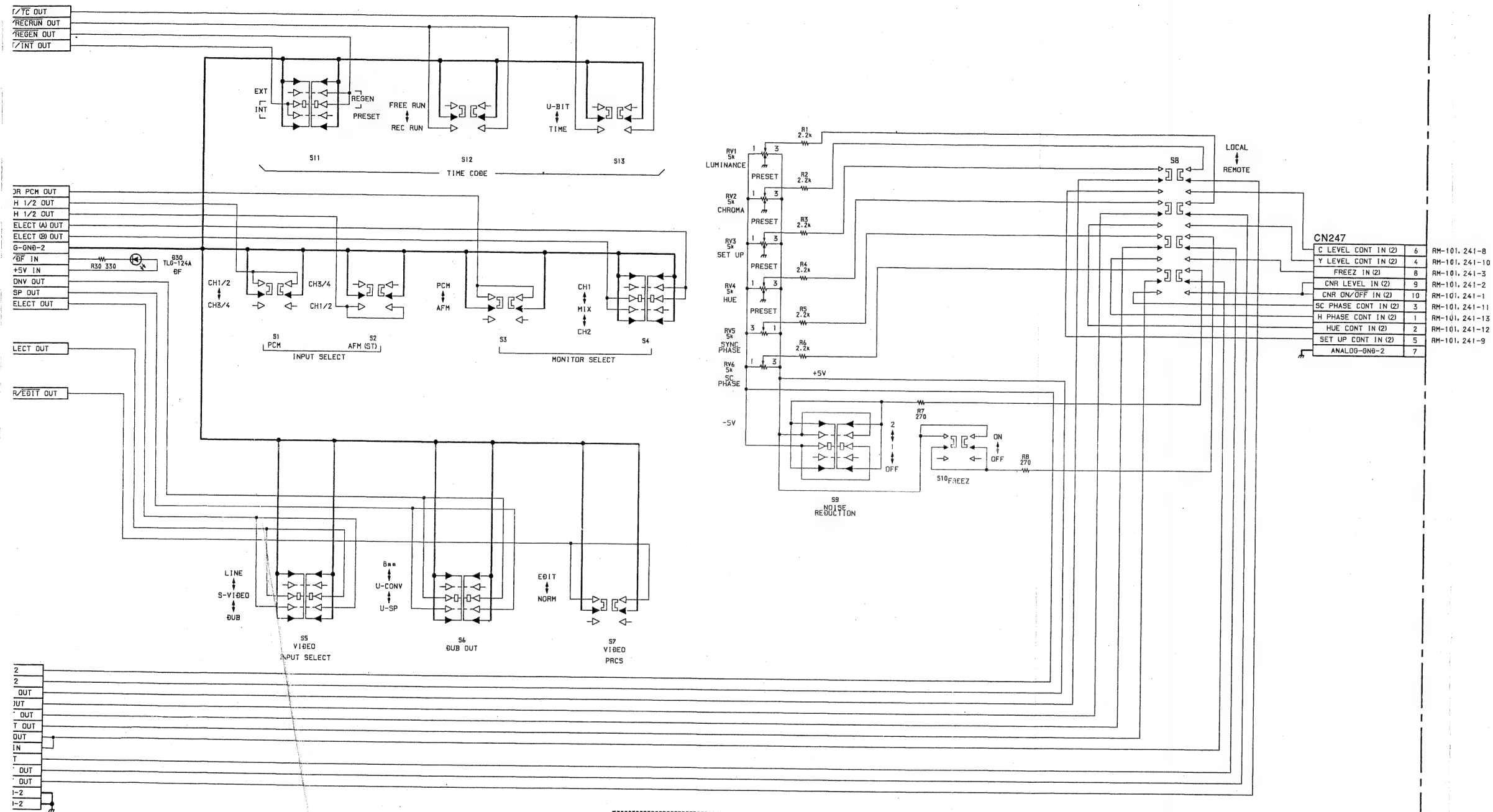
B Side is the same as Soldering Side

SST. 307-4	249-4	U-BIT/TC OUT
SST. 307-3	249-3	TC FREE/RECRUN OUT
SST. 307-2	249-2	PRESET/REGEN OUT
SST. 307-1	249-1	TC EXT/INT OUT

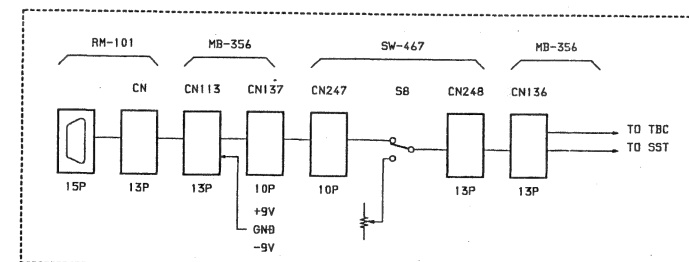
AU-156. 604-27B	246-1	L: MONITOR PCM OUT
AU-156. 604-26B	246-2	L: PCM CH 1/2 OUT
AU-156. 604-25B	246-3	L: AFM CH 1/2 OUT
AU-156. 603-11A	246-4	MONITOR SELECT (A) OUT
AU-156. 603-12A	246-5	MONITOR SELECT (B) OUT
	246-6	ANALOG-GNB-2
SST. 311-3	246-7	NBF/BF IN
VA. 610-6A	246-8	REG +5V IN
VA. 610-5A	246-9	L:U-CONV OUT
SST. 312-12	246-10	L:U-SP OUT
MD. 605-21A	246-11	L: BUB SELECT OUT
DM. 607-21A		
MD. 605-22A	246-12	L: S SELECT OUT
DM. 607-22A		
MD. 606-22A	246-13	VIDEO NOR/EDIT OUT
DM. 608-22A		
VA. 609-12A		
SST. 315-17		

CN248		
7	REG -5V-2	
10	REG +5V-2	
5	SET UP CONT OUT	
TBC. 611-25A	2	HUE CONT OUT
TBC. 611-28B	2	HUE CONT OUT
TBC. 611-30B	1	H PHASE CONT OUT
TBC. 611-29B	3	SC PHASE CONT OUT
SST. 312-14	12	CNR LEVEL OUT
SST. 312-15	13	CNR ON/OFF IN
SST. 312-13	11	FREEZ OUT
TBC. 611-25B	4	Y LEVEL CONT OUT
TBC. 611-26B	6	C LEVEL CONT OUT
	8	ANALOG-GNB-2
	9	ANALOG-GNB-2

*1 EVO-9850: AU-156
EVO-9850P: AU-156AP

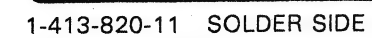
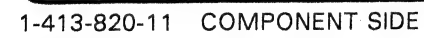


EVO-9850:AU-156
EVO-9850P:AU-156AP



Sub Panel Switch
SW-467P BOARD
BOARD NO. 1-642-952-13
EVO-9850P (EK) : #10001 —

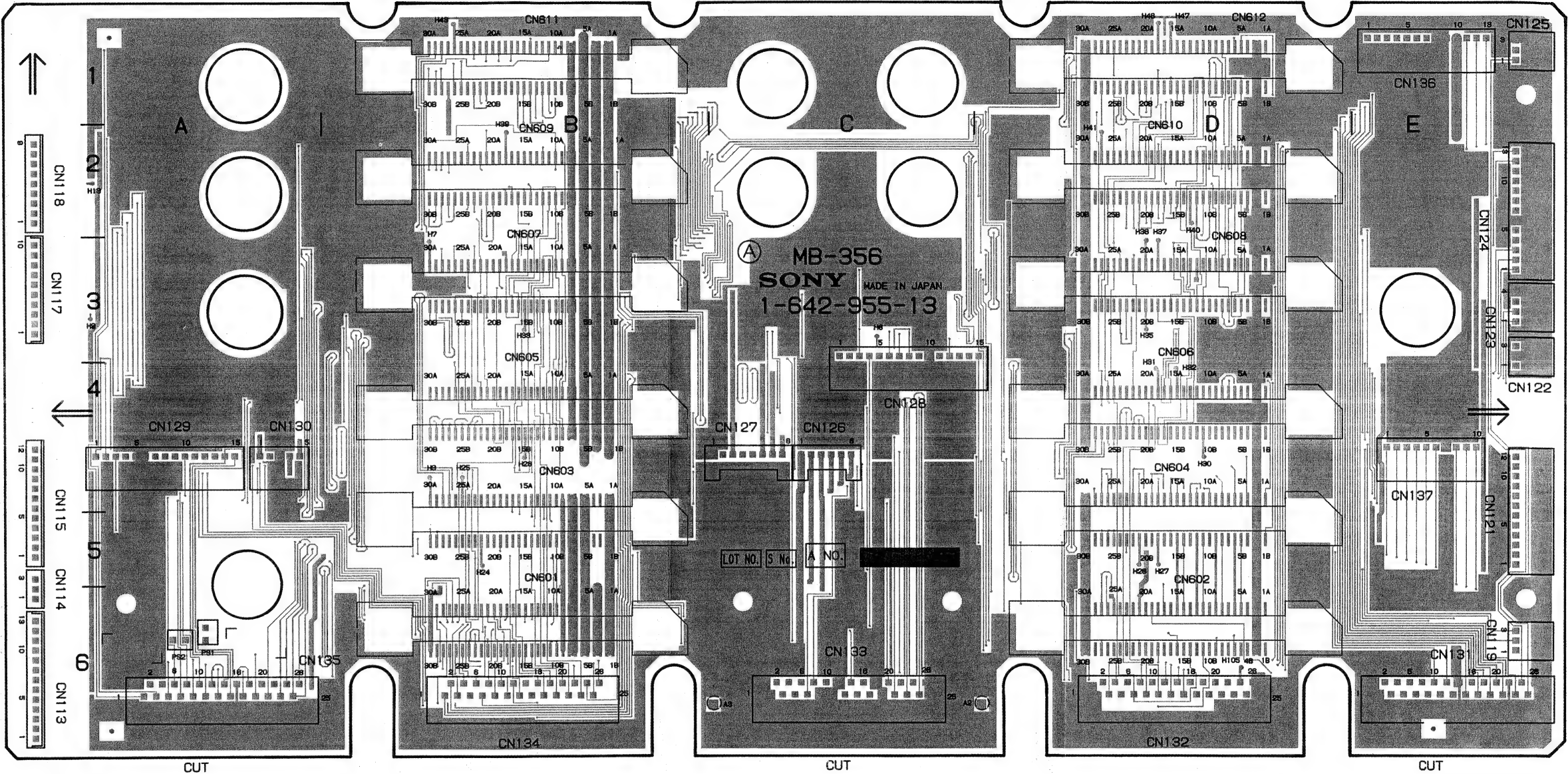
Component Side



MB-356P (1-642-955-13)

- CN113 A-6
- CN114 A-6
- CN115 A-5
- CN117 A-3
- CN118 A-2
- CN119 E-6
- CN121 E-5
- CN122 E-3
- CN123 E-3
- CN124 E-3
- CN125 E-1
- CN126 C-4
- CN127 C-4
- CN128 C-3
- CN129 A-4
- CN130 A-4
- CN131 E-6
- CN132 D-6
- CN133 C-6
- CN134 B-6
- CN135 A-6
- CN136 E-1
- CN137 E-4
- CN601 B-6
- CN602 D-6
- CN603 B-5
- CN604 D-5
- CN605 B-4
- CN606 D-4
- CN607 B-3
- CN608 D-3
- CN609 B-2
- CN610 D-2
- CN611 B-1
- CN612 D-1
- PS1 A-6
- PS2 A-6

MB-356P BOARD
A Side



1-642-955-13 A SIDE

A Side is the same as Component Side

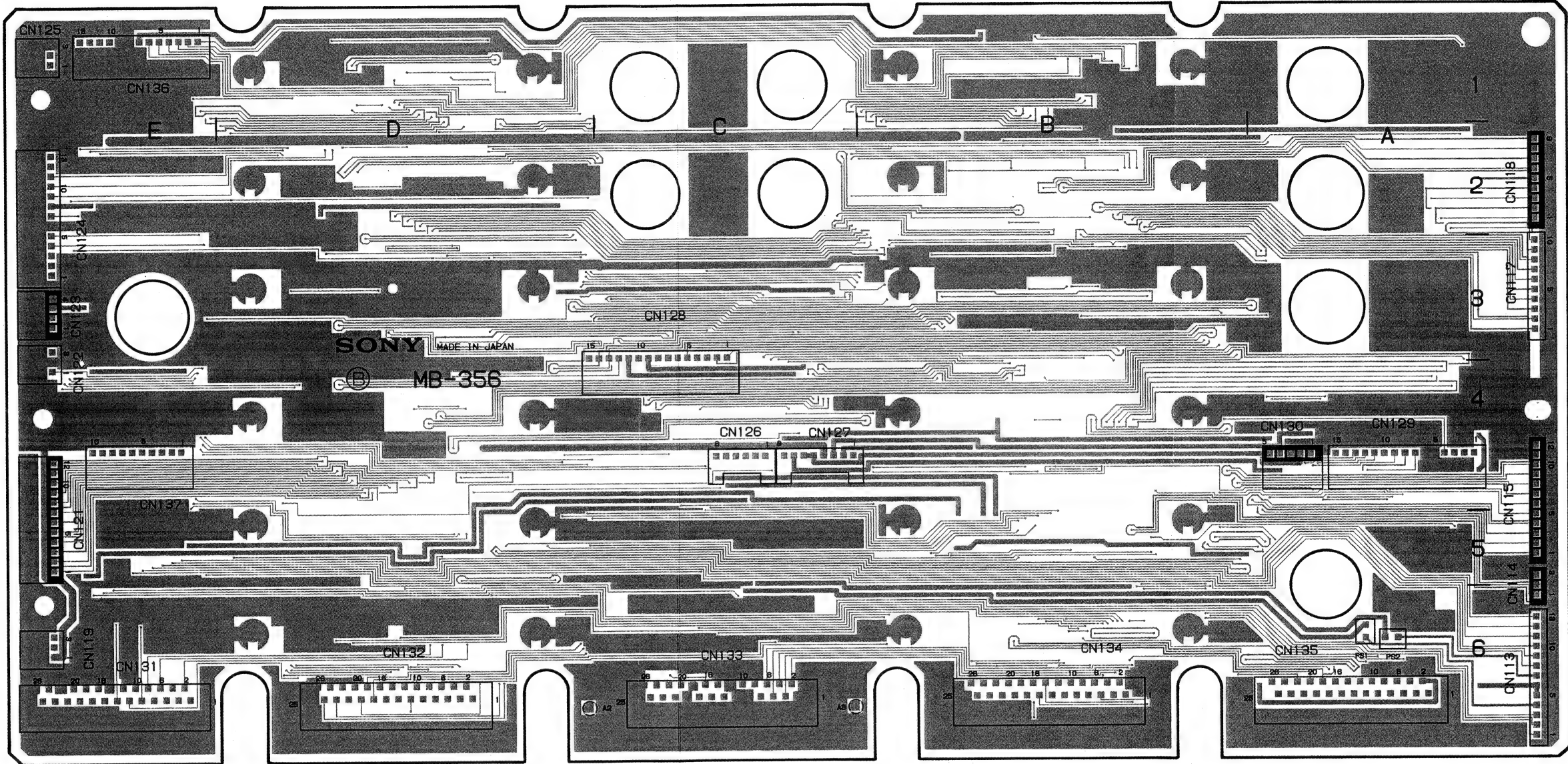


MB-356P (1-642-955-13)

- CN113 A-6
- CN114 A-6
- CN115 A-5
- CN117 A-3
- CN118 A-2
- CN119 E-6
- CN121 E-5
- CN122 E-3
- CN123 E-3
- CN124 E-3
- CN125 E-1
- CN126 C-4
- CN127 C-4
- CN128 C-3
- CN129 A-4
- CN130 A-4
- CN131 E-6
- CN132 D-6
- CN133 C-6
- CN134 B-6
- CN135 A-6
- CN136 E-1
- CN137 E-4
- CN601 B-6
- CN602 D-6
- CN603 B-5
- CN604 D-5
- CN605 B-4
- CN606 D-4
- CN607 B-3
- CN608 D-3
- CN609 B-2
- CN610 D-2
- CN611 B-1
- CN612 D-1

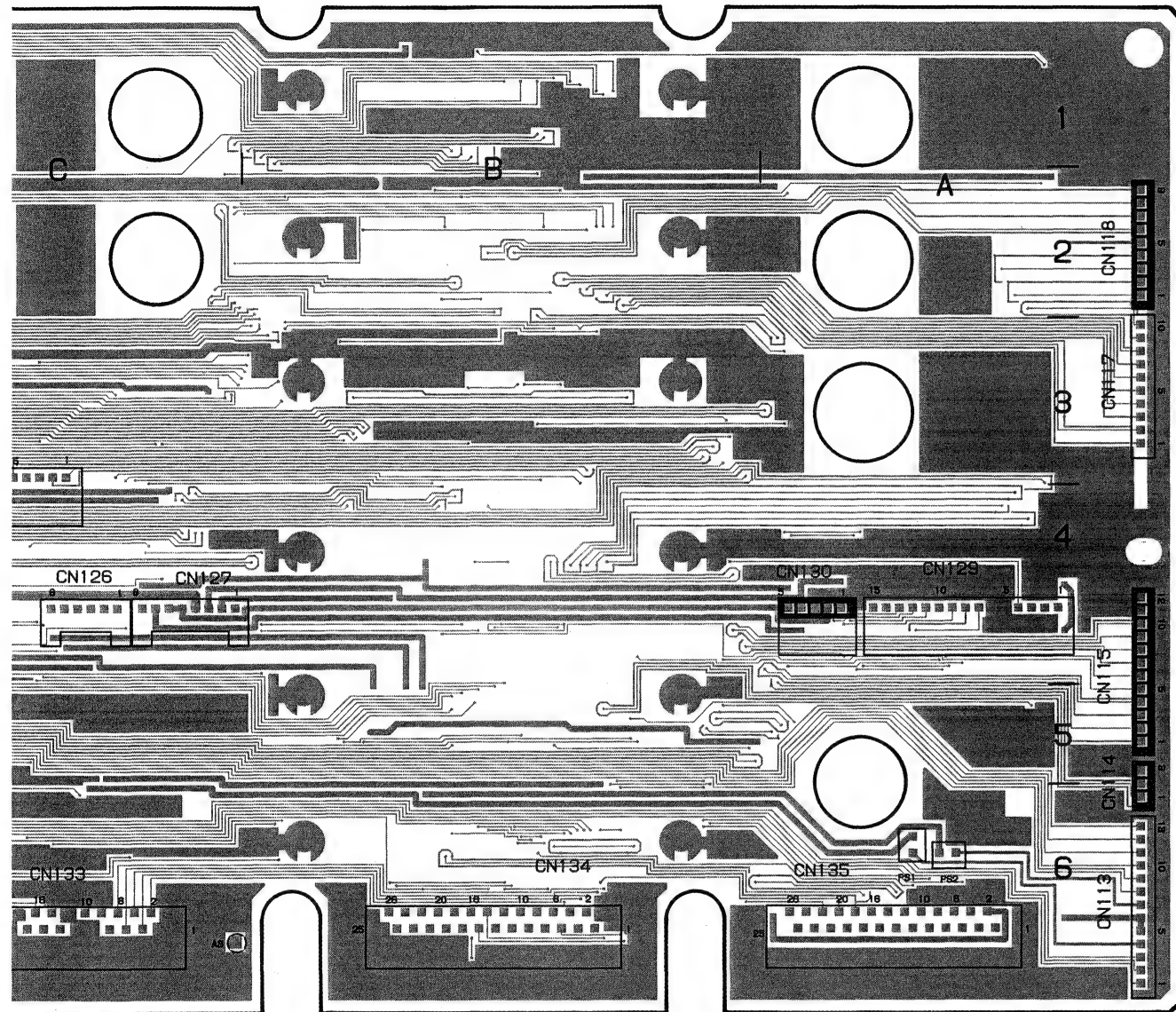
- PS1 A-6
- PS2 A-6

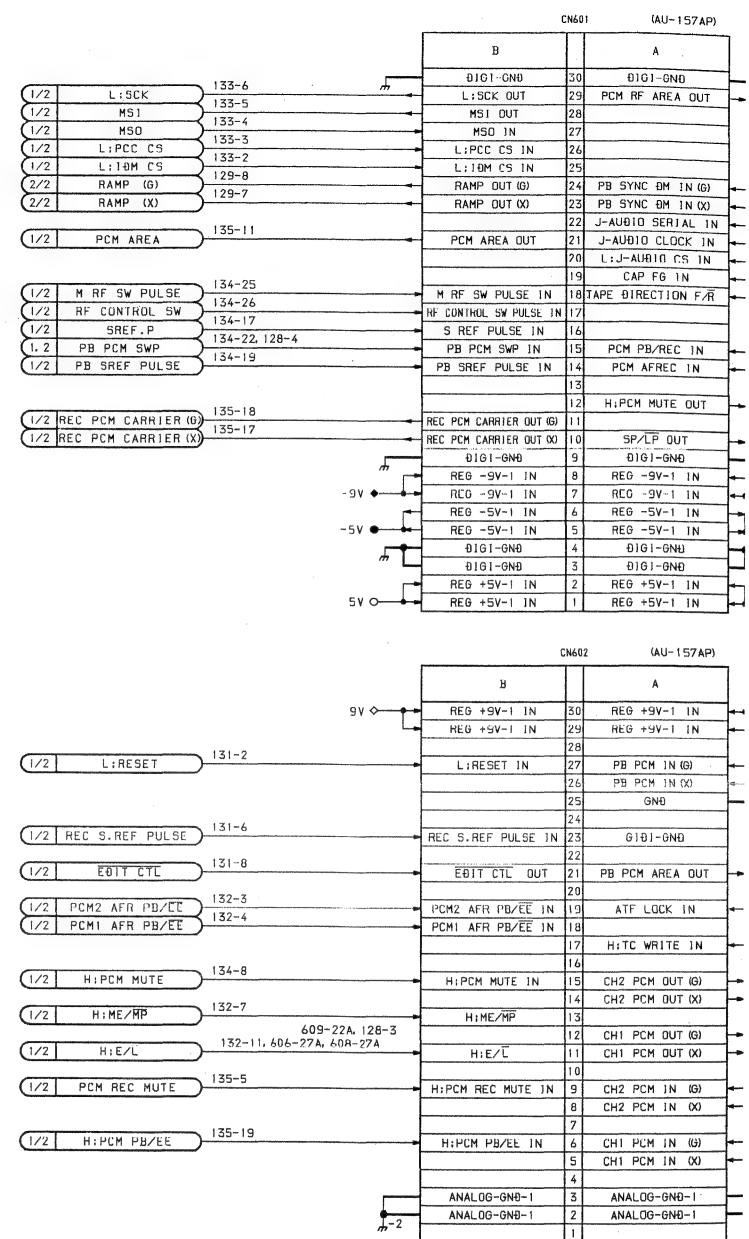
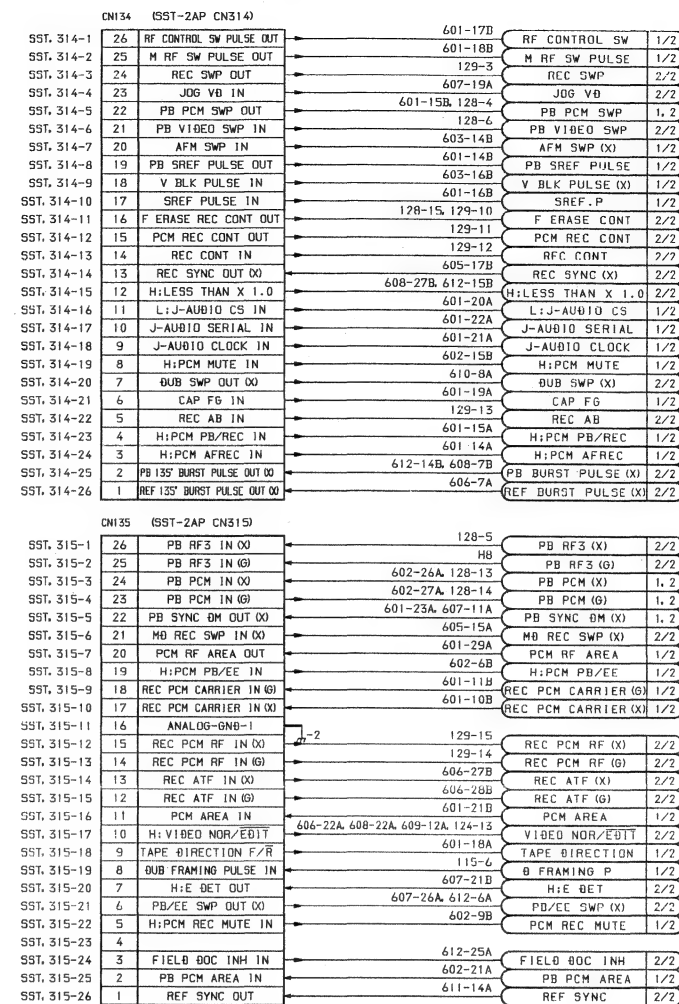
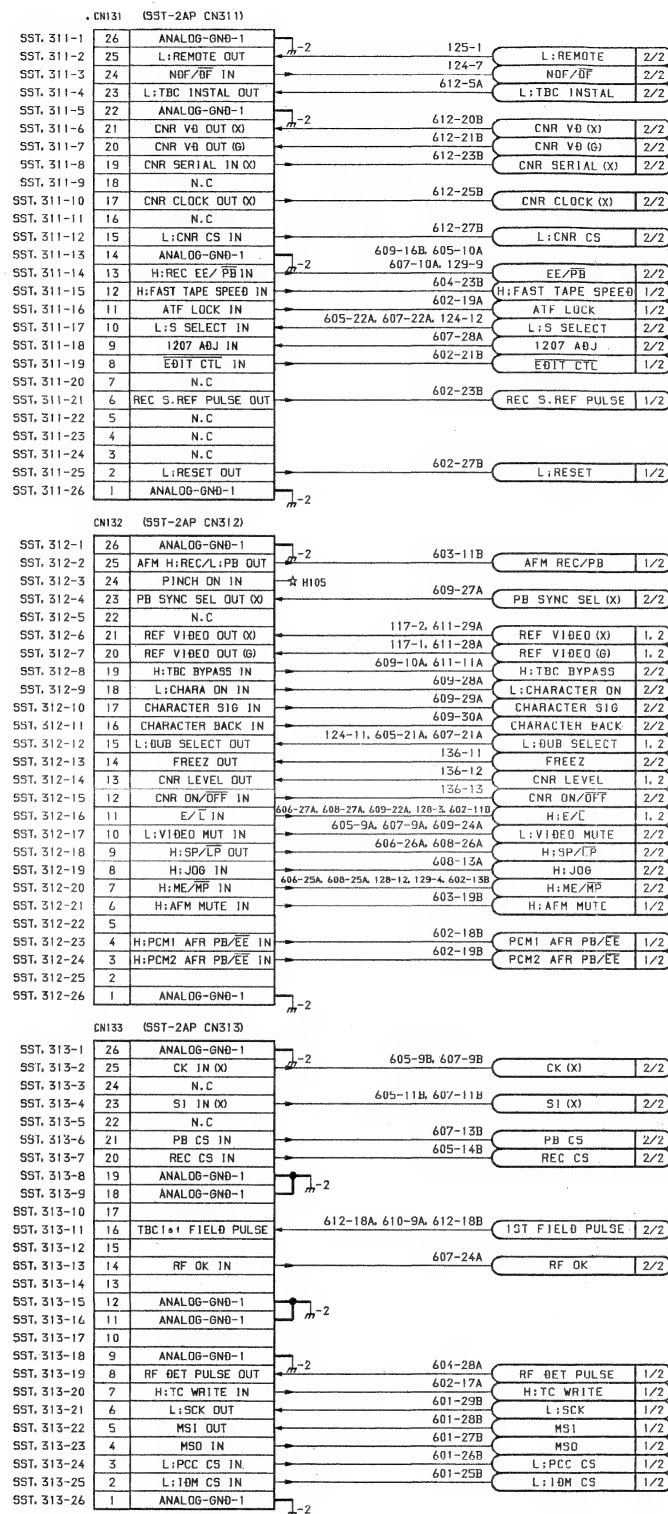
MB-356P BOARD
B Side



1-642-955-13 B SIDE

B Side is the same as Soldering Side





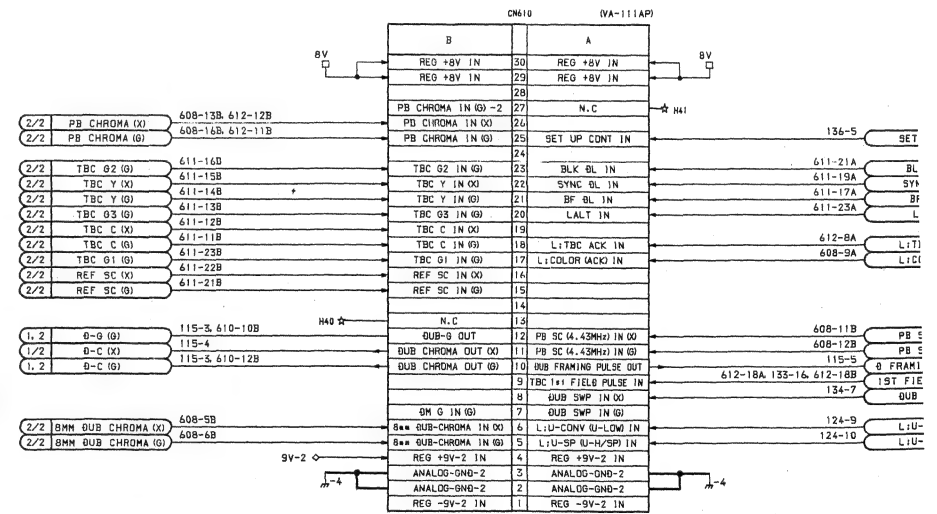
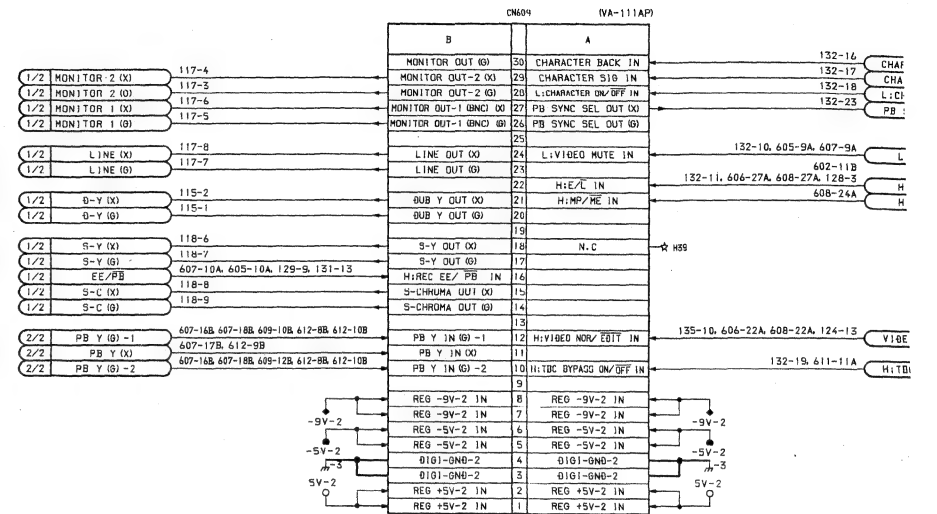
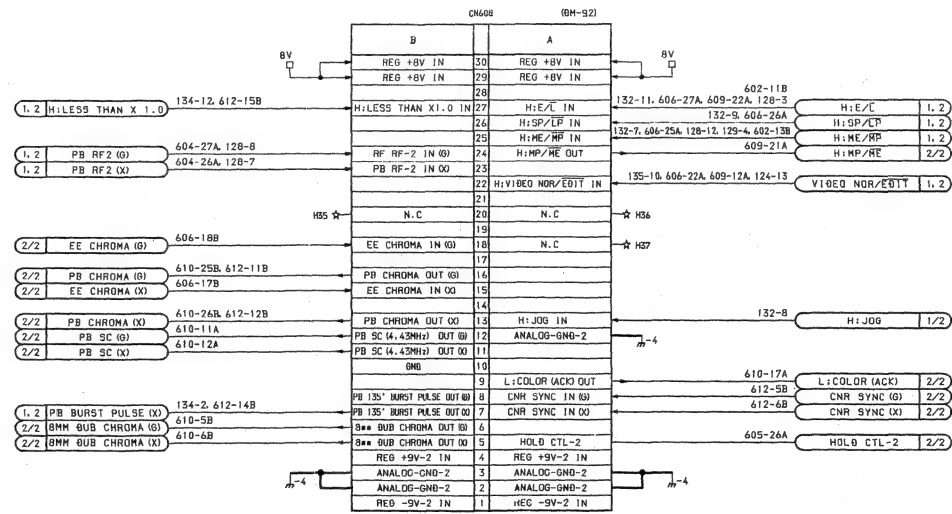
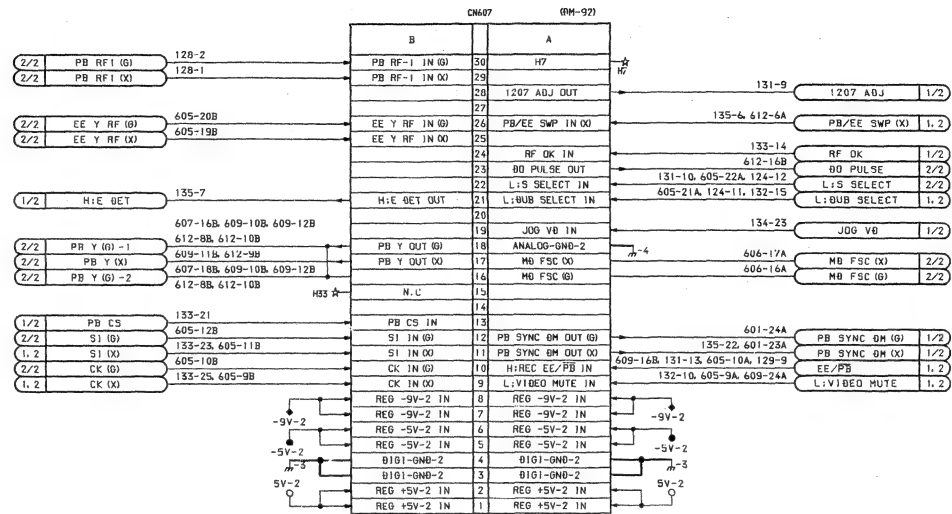
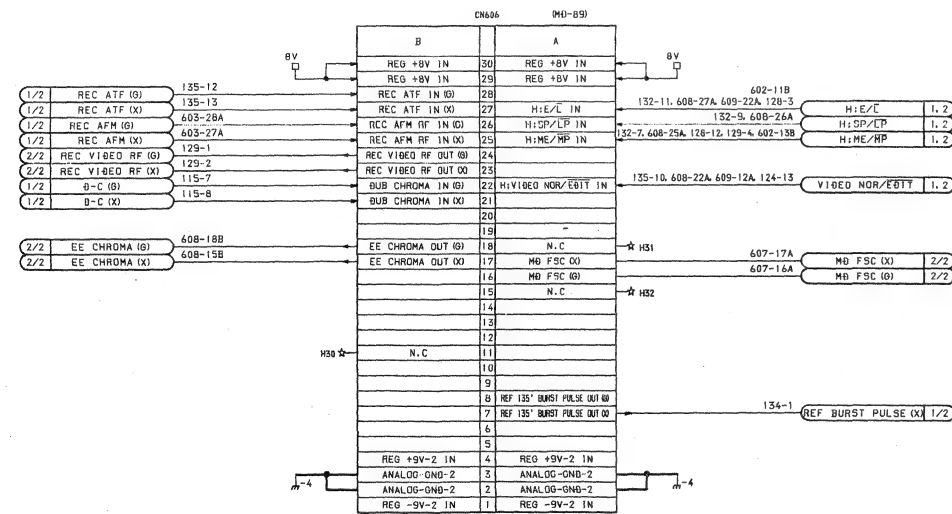
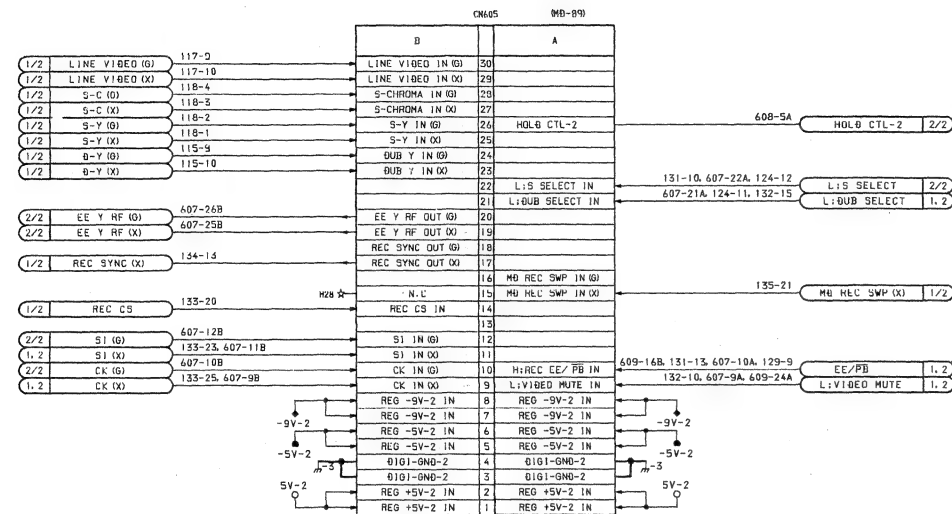


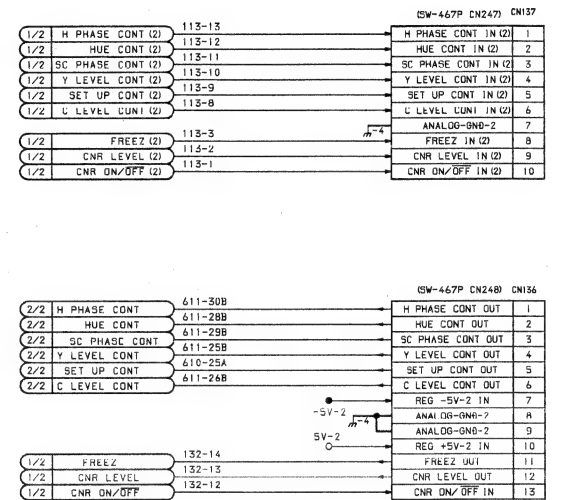
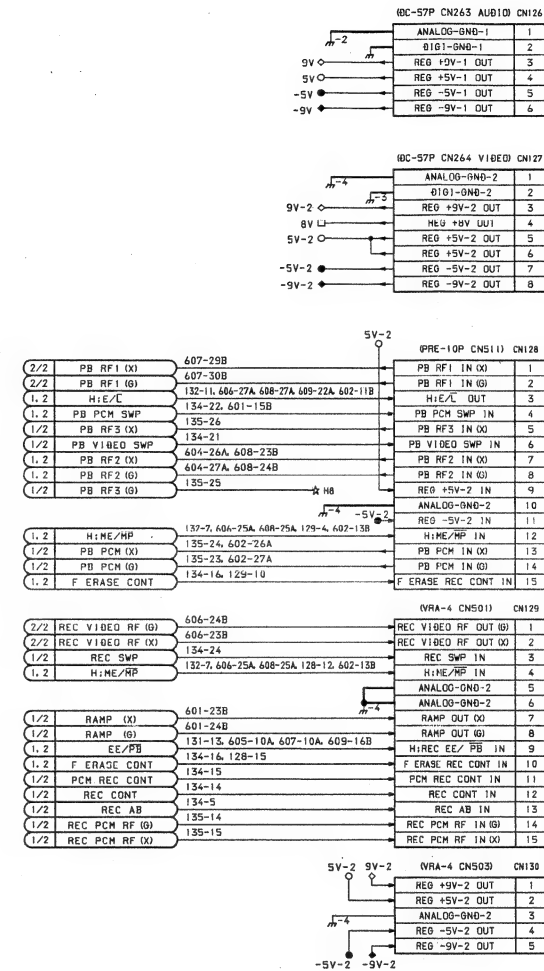
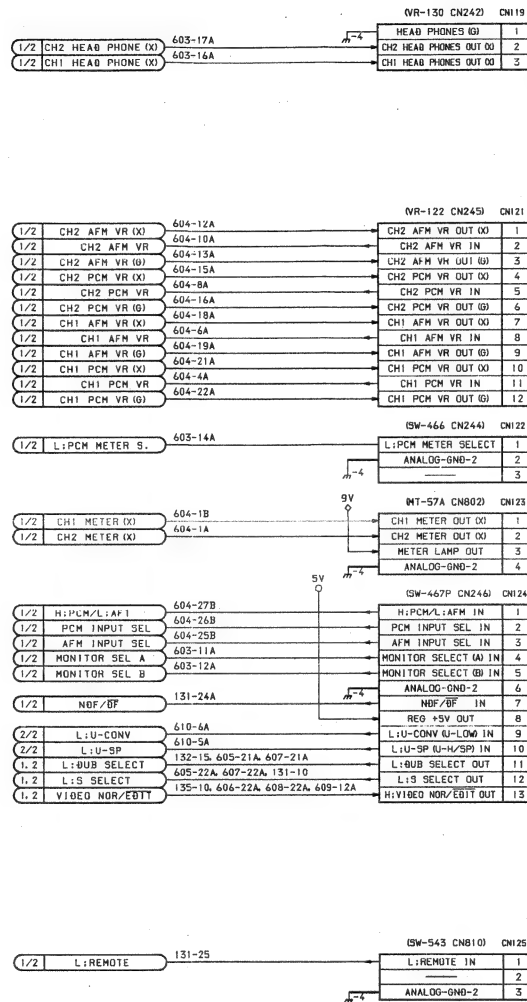
Mother Board

MB-356P BOARD (1/2)

BOARD NO. 1-642-955-13

EVO-9850P (EK) : #10001—

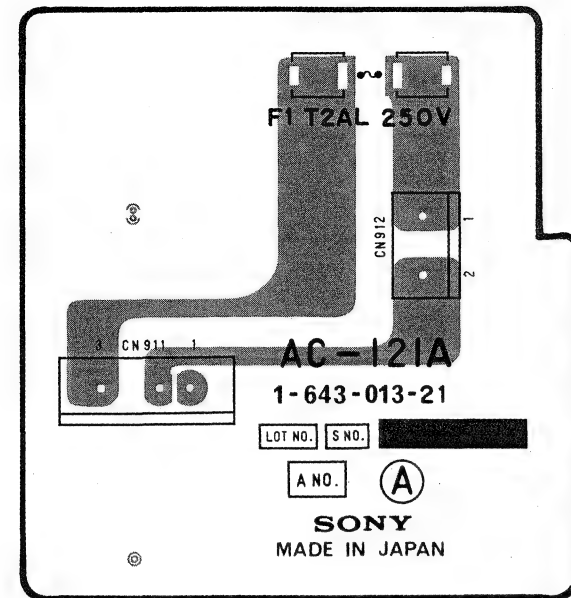




EVO-9850P (EK) : #10001 —

AC-121AP BOARD

A Side

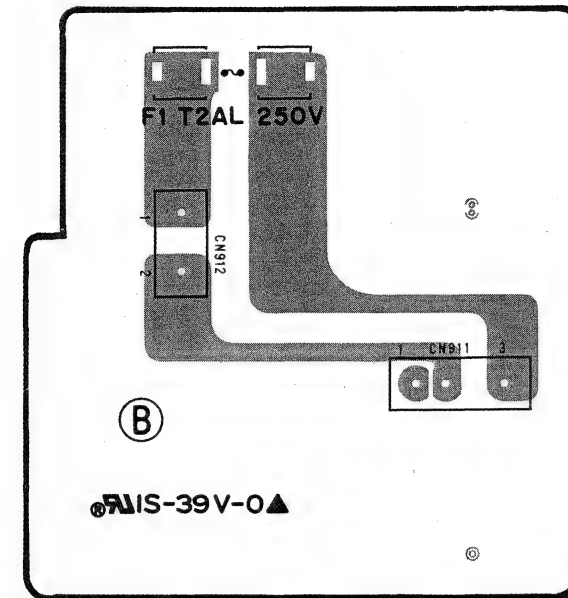


1-643-013-21 A SIDE

A Side is the same as Component Side

AC-121AP BOARD

B Side

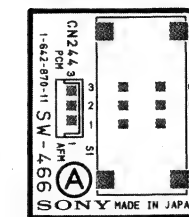


1-643-013-21 B SIDE

B Side is the same as Soldering Side

SW-466 BOARD

A Side

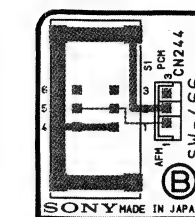


1-642-870-11 A SIDE

A Side is the same as Component Side

SW-466 BOARD

B Side

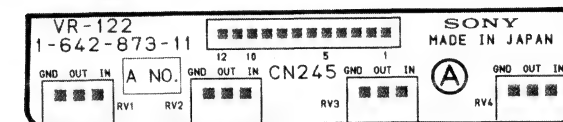


1-642-870-11 B SIDE

B Side is the same as Soldering Side

VR-122 BOARD

A Side

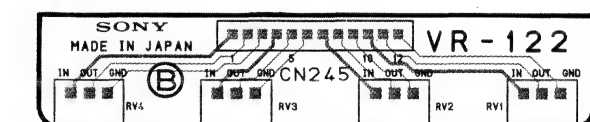


1-642-873-11 A SIDE

A Side is the same as Component Side

VR-122 BOARD

B Side

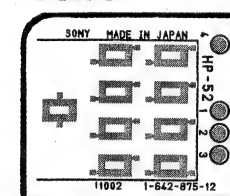


1-642-873-11 B SIDE

B Side is the same as Soldering Side

HP-52 BOARD

A Side

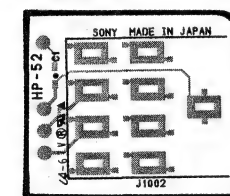


1-642-875-12 A SIDE

A Side is the same as Component Side

HP-52 BOARD

B Side

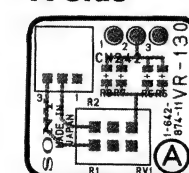


1-642-875-12 B SIDE

B Side is the same as Soldering Side

VR-130 BOARD

A Side

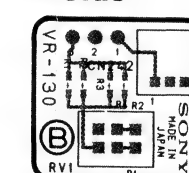


1-642-874-11 A SIDE

A Side is the same as Component Side

VR-130 BOARD

B Side

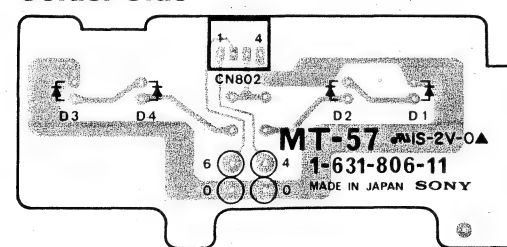


1-642-874-11 B SIDE

B Side is the same as Soldering Side

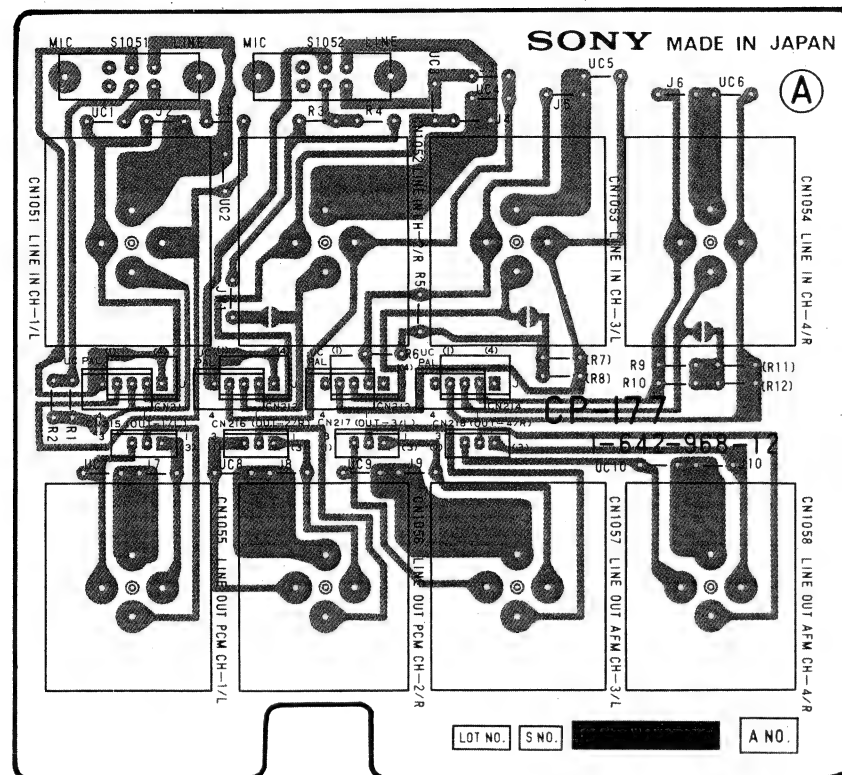
MT-57A BOARD

Solder Side



1-642-952-13 SOLDER SIDE

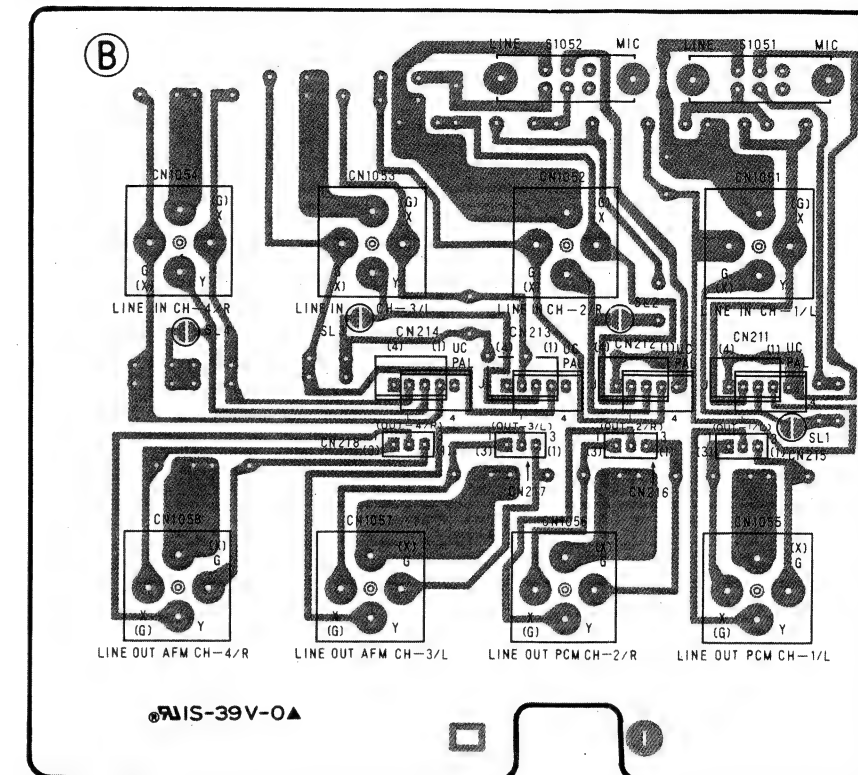
CP-177 BOARD A Side



1-642-968-12 A SIDE

A Side is the same as Component Side

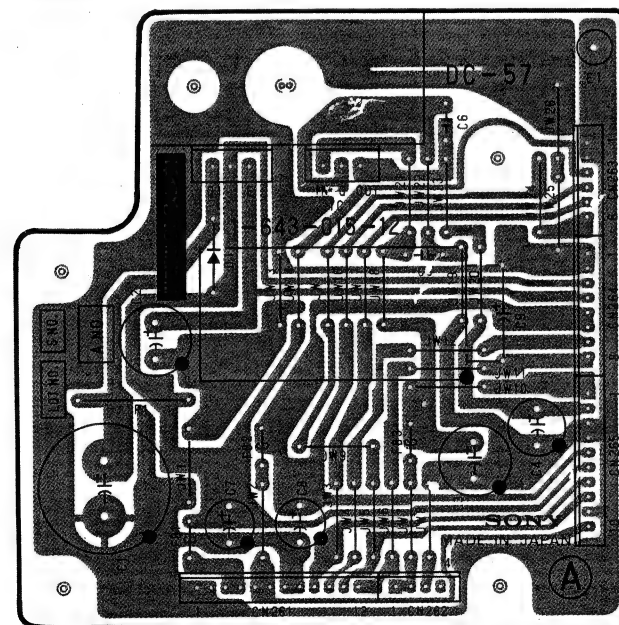
CP-177 BOARD B Side



1-642-968-12 B SIDE

B Side is the same as Soldering Side

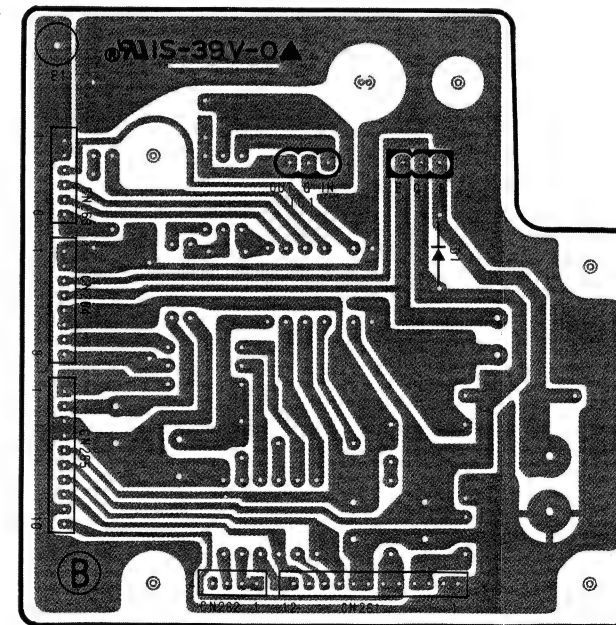
DC-57P BOARD A Side



1-643-015-12 A SIDE

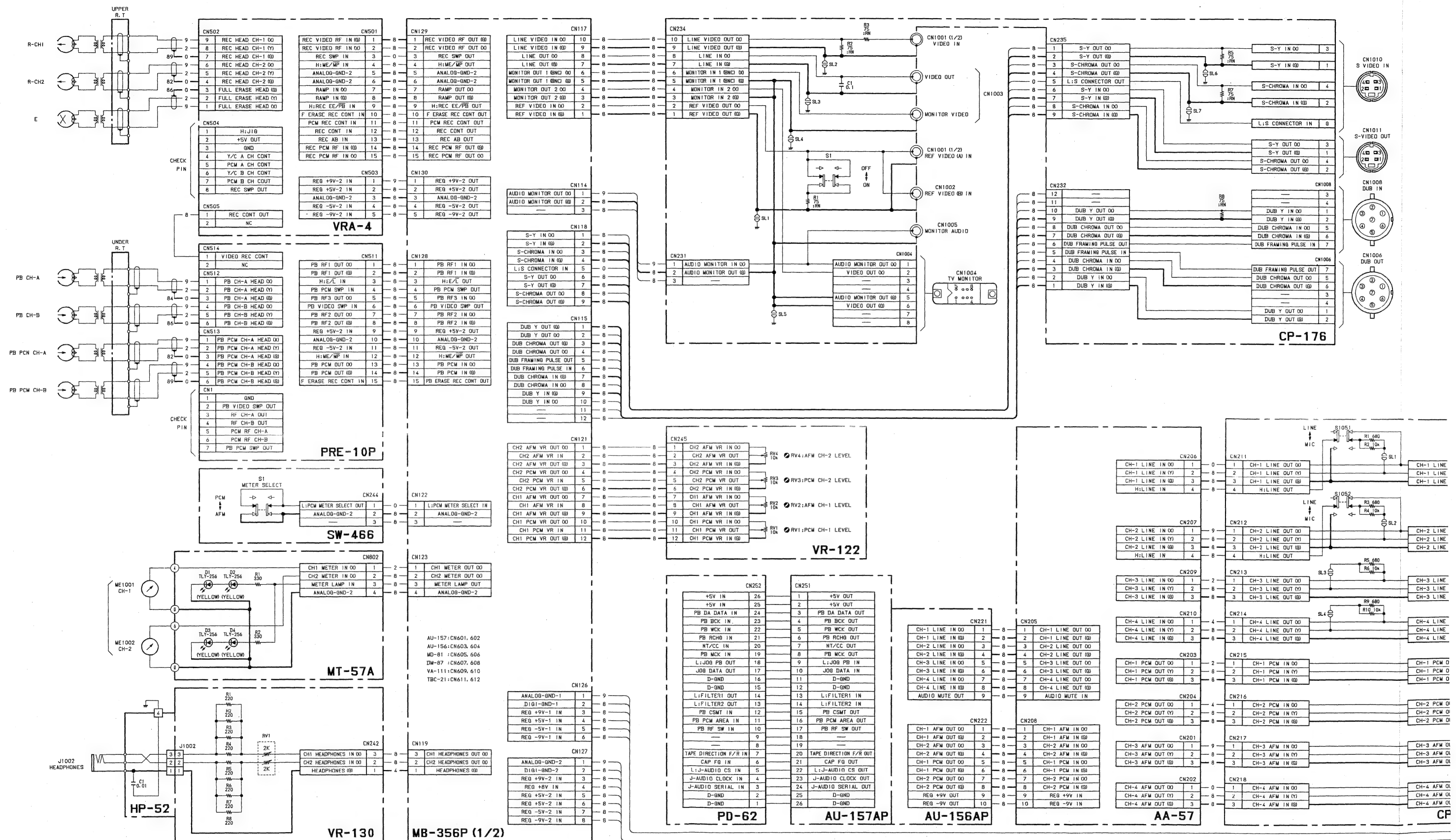
A Side is the same as Component Side

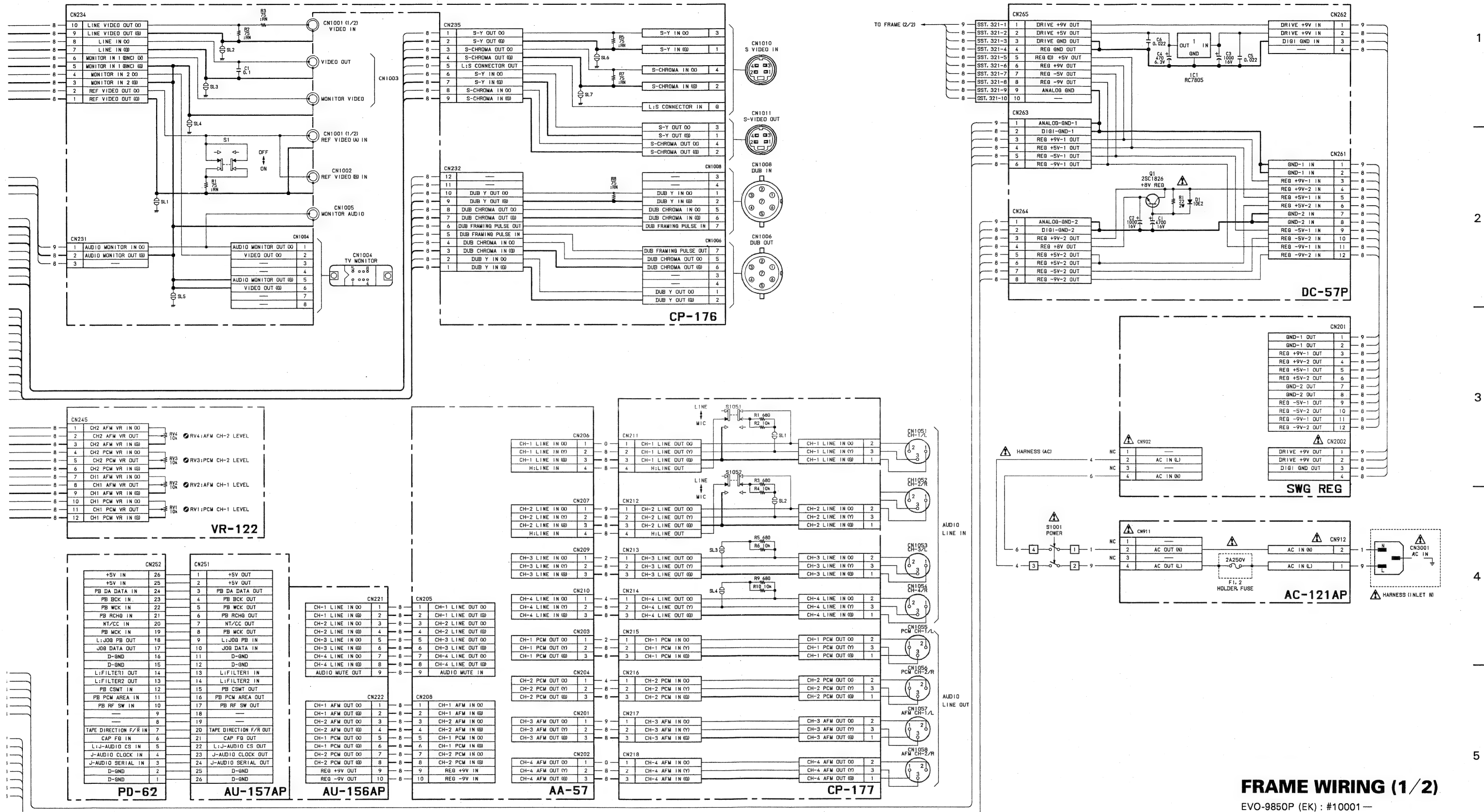
DC-57P BOARD B Side



1-643-015-12 B SIDE

B Side is the same as Soldering Side

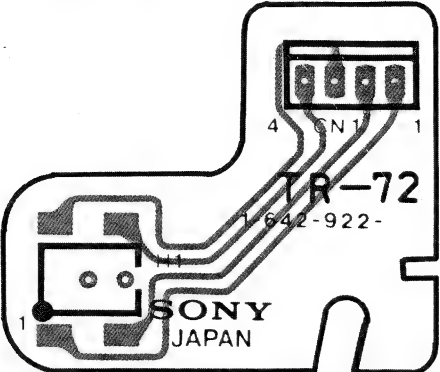




FRAME WIRING (1/2)

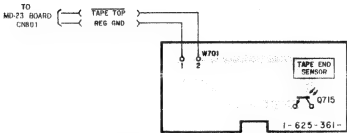
EVO-9850P (EK) : #10001—

TR-72 BOARD
Component Side



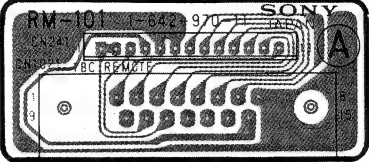
1-642-922-12 COMPONENT SIDE

TS-74 BOARD
Solder Side



1-625-361-11 SOLDER SIDE

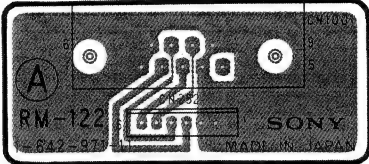
RM-101 BOARD
A Side



1-642-970-11 A SIDE

A Side is the same as Component Side

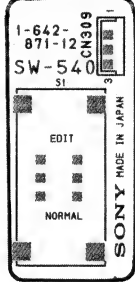
RM-122 BOARD
A Side



1-642-971-11 A SIDE

A Side is the same as Component Side

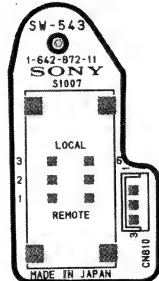
SW-540 BOARD
A Side



1-642-871-11, 12 A SIDE

A Side is the same as Component Side

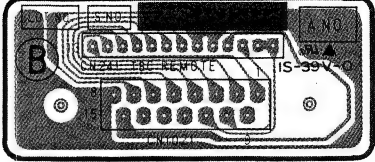
SW-543 BOARD
A Side



1-642-871-11 A SIDE

A Side is the same as Component Side

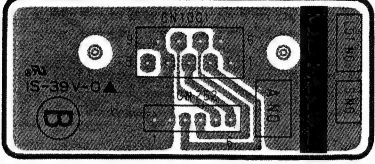
RM-101 BOARD
B Side



1-642-970-11 B SIDE

B Side is the same as Soldering Side

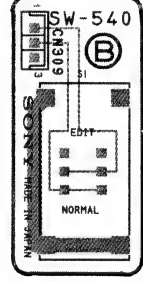
RM-122 BOARD
B Side



1-642-971-11 B SIDE

B Side is the same as Soldering Side

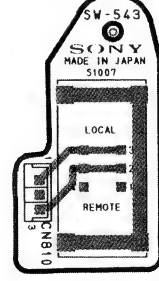
SW-540 BOARD
B Side



1-642-871-11, 12 B SIDE

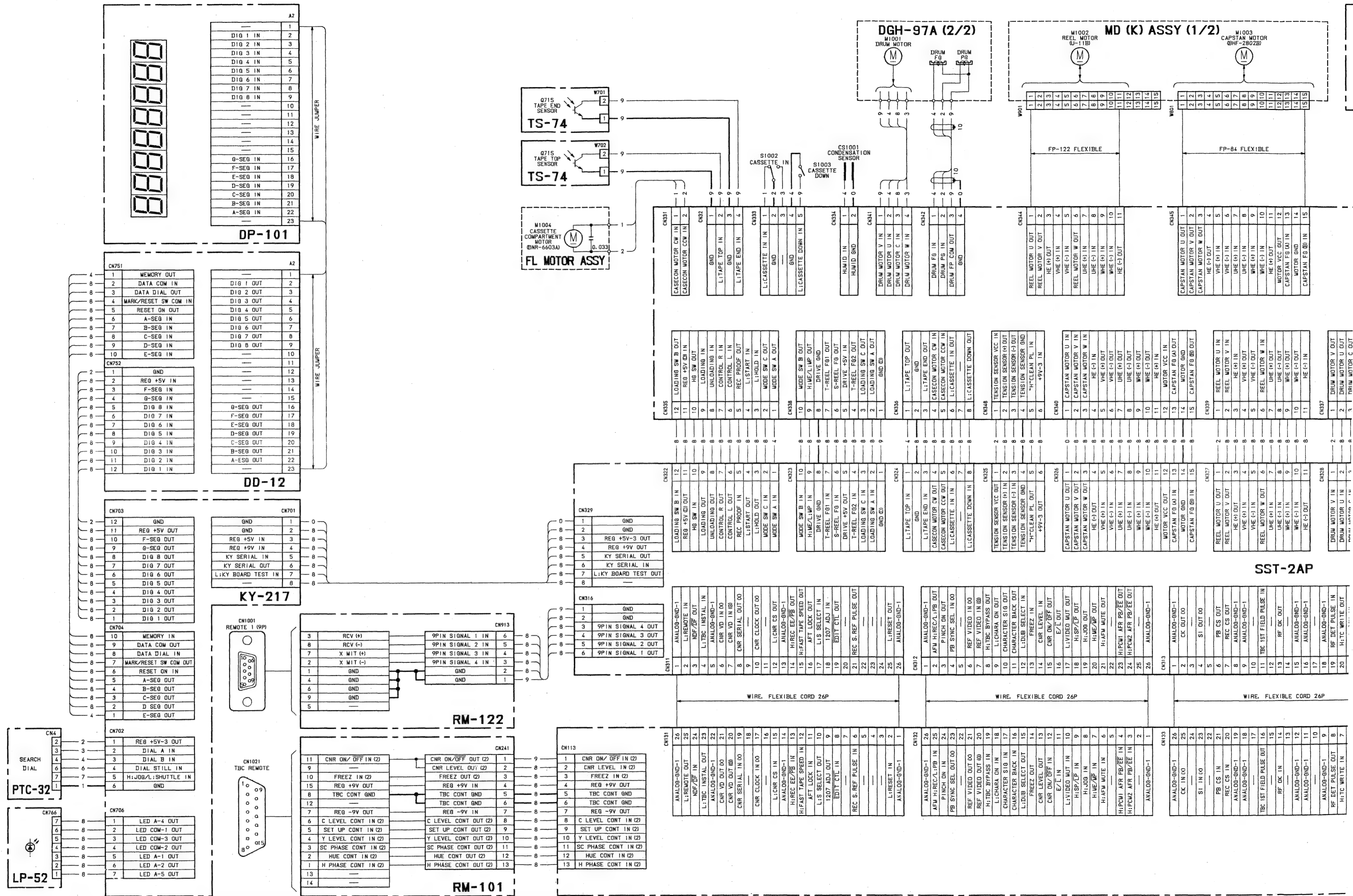
B Side is the same as Soldering Side

SW-543 BOARD
B Side



1-642-871-11 B SIDE

B Side is the same as Soldering Side





SECTION 14

SPARE PARTS AND FIXTURES

14-1. PARTS INFORMATION

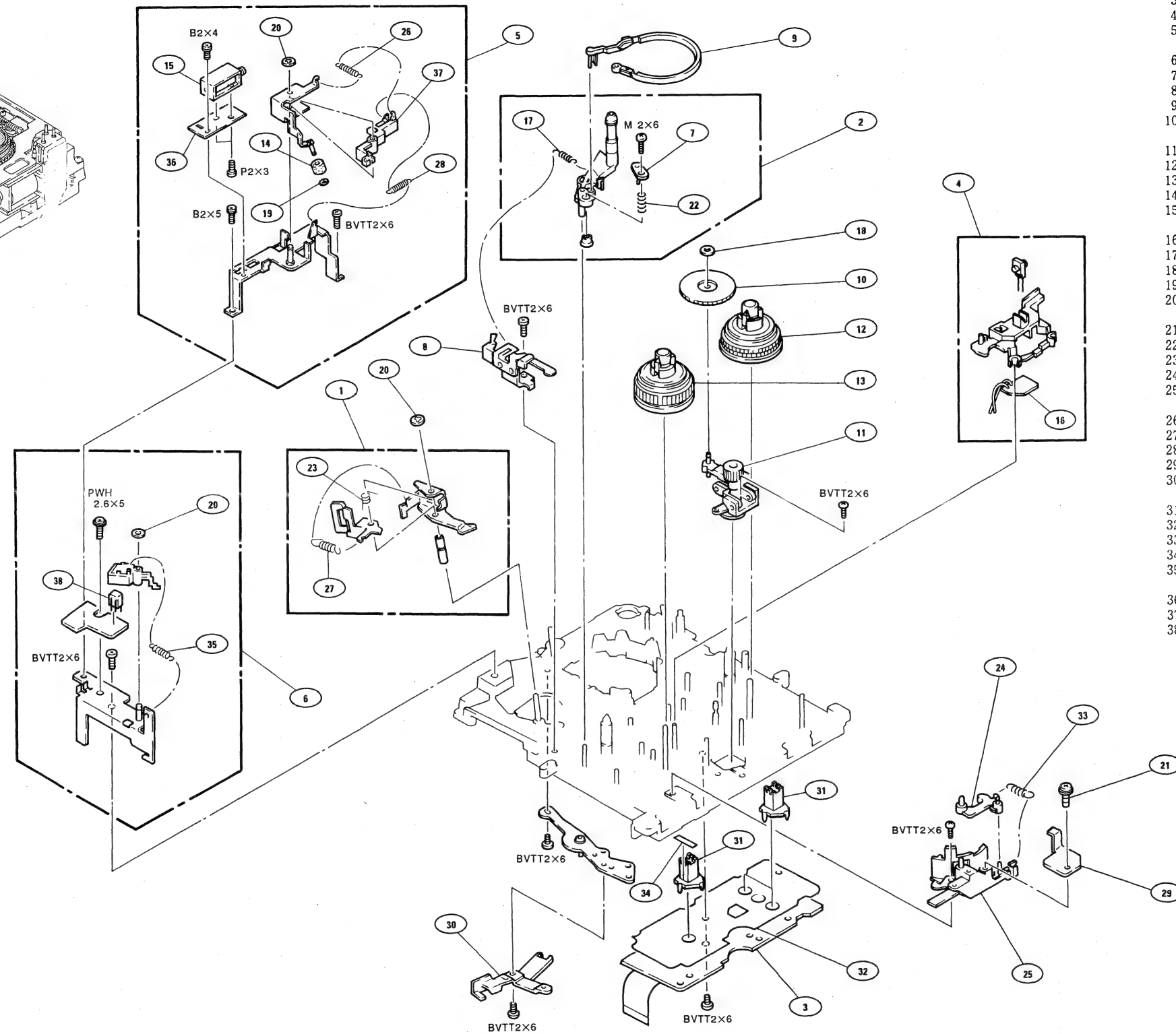
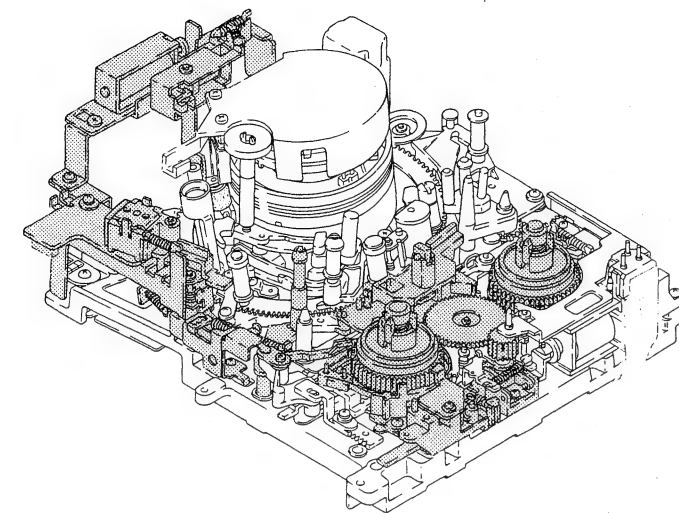
- (1) Components marked with Δ on the exploded views and electrical spare list are critical to safe operation. Replace these components with Sony Parts whose part numbers appear in this manual or in service manual supplements published by Sony.
- (2) Replacement Parts supplied from Sony Parts Center will sometimes have a different shape from the original parts. This is due to **improved parts and/or engineering changes or standardization of genuine parts.**
This manual's exploded views and electrical spare parts list indicate the part numbers of **the standardized genuine parts at the present.** Regarding engineering part changes by the engineering department, refer to Sony service bulletins and service manual supplements.
- (3) The parts marked with S in the SP (Supply Code) column of the exploded views and electrical spare parts lists are normally stocked for replacement purposes. The parts marked with O in the SP column are not normally required for routine service work. Orders for parts marked with O will be processed, but allow for additional delivery time.
- (4) Items with no part number and/or no description are not stocked because they are seldom required for routine service.
- (5) All resistors are in ohms.

14-2. EXPLODED VIEWS

- Exploded views are composed of the following blocks.

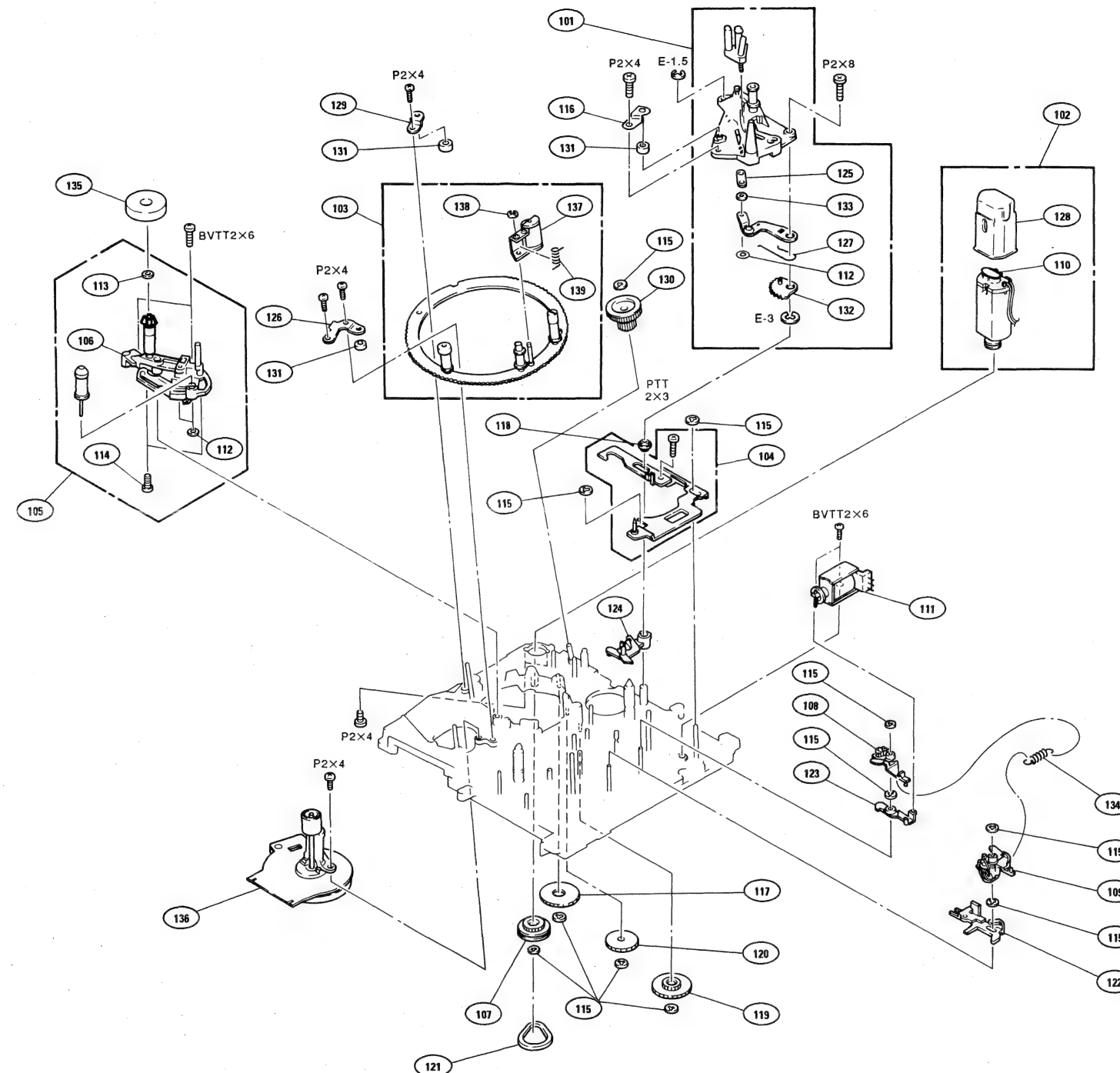
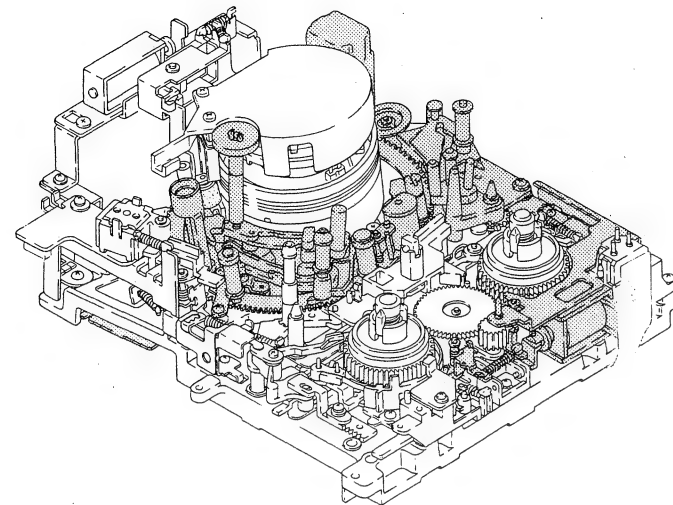
- | | |
|--|---|
| (1) Reel Table Block14-3 | (6) Cassette-up Compartment Block (2)14-8 |
| Tension Regulator Arm Assembly | |
| T Reel Table | (7) Function Control Chassis Block14-9 |
| S Reel Table | Function Control Panel |
| Cleaning Roller Assembly | Search Dial Block |
| Sensor Assembly | |
| (2) Threading Ring and Tape Path Blocks14-4 | (8) Connector Panel Block14-10 |
| Slant Guide Block | |
| Threading Motor | (9) Main Shassis Block14-11 |
| Loading Ring | Switching Regulator |
| T Main Brake | Mounted Circuit Boards |
| S Main Brake | |
| Capstan Motor | (10) Ornamental Panel Block14-12 |
| Entrance Guide (K) Assembly | Top Plate |
| | Front Panel |
| (3) Head Drum and Threading Control Blocks14-5 | Key Panel |
| Head Drum | Side Plate |
| L Slider Assembly | Bottom Plate |
| Tape Guides | Window Assembly |
| Pinch Press Lever | |
| L-switch Assembly | (11) Card Rack Block14-13 |
| | Mounted Circudt Boards |
| (4) Mechanism Control Block14-6 | |
| M-switch Assembly | |
| T. S Brake | |
| REW Brake | |
| S Hard Brake | |
| M. Slider | |
| Reel Motor | |
| (5) Cassette-up Compartment Block (1)14-7 | |
| FL Motor (Cassette Loading) | |
| Tape TOP/END sensor | |
| RF Shield Plate | |

Reel Table Block



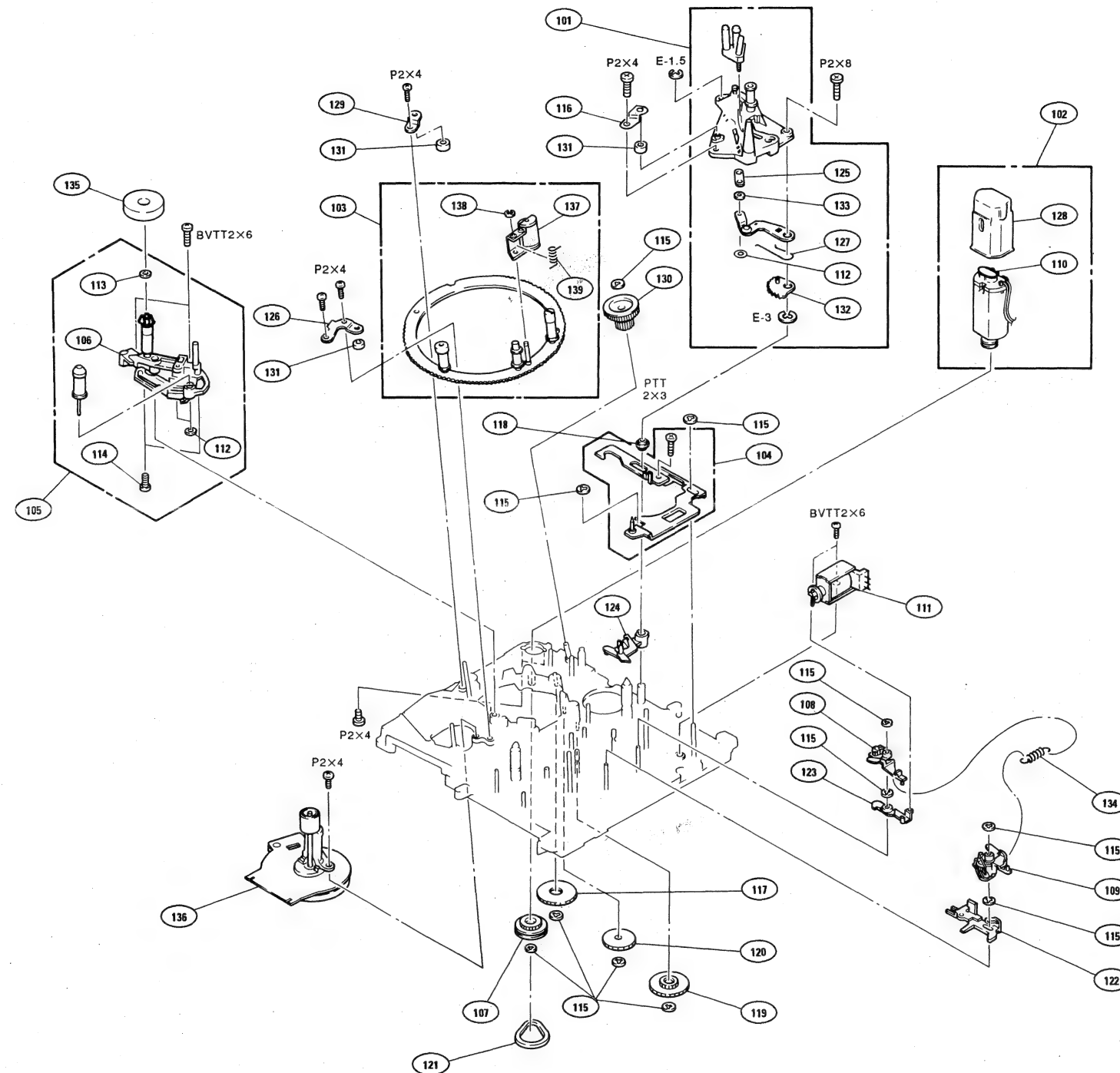
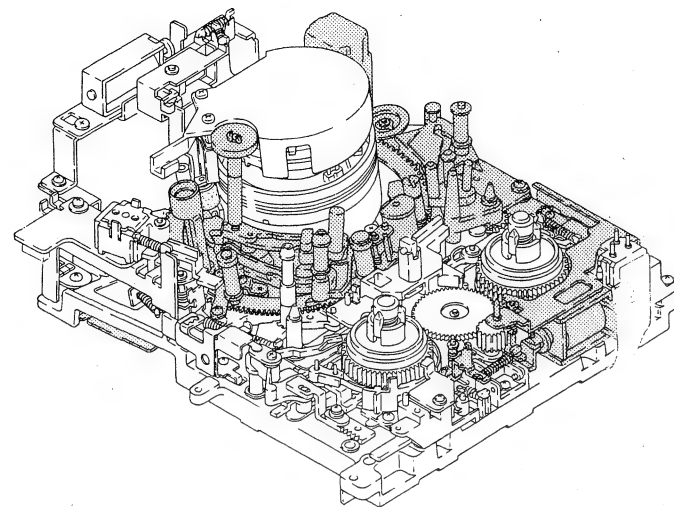
No.	Part No.	SP Description
1	A-7040-008-A	s ARM ASSY, PINCH PRESS
2	A-7040-292-A	s ARM ASSY, TENSION REGULATOR
3	A-7061-818-A	o MOUNTED CIRCUIT BOARD, RS-31
4	A-7070-024-A	o MOUNTED CIRCUIT BOARD, LD-1
5	A-8262-346-A	o ROLLER ASSY, CLEANING
6	A-8262-577-A	s SENSOR ASSY
7	X-3686-523-1	o PLATE ASSY, TENSION REGULATOR
8	X-3686-525-1	o HOOK ASSY, SPRING
9	X-3686-531-1	s BAND ASSY, TENSION REGULATOR
10	X-3686-763-1	s GEAR (B) ASSY, DRIVING
11	X-3711-963-1	s DRIVING COMPLETE ASSY
12	X-3711-998-1	s TABLE ASSY, REEL, TAKE-UP
13	X-3713-427-1	s TABLE ASSY, REEL, SUPPLY
14	X-3166-813-1	s ROLLER ASSY, HC
15	1-454-445-21	s SOLENOID, PLUNGER (CLEANING)
16	1-613-367-11	o PRINTED CIRCUIT BOARD, LD-1
17	3-172-898-01	s SPRING, TENSION
18	3-315-384-31	s WASHER, STOPPER
19	3-321-393-11	s WASHER, STOPPER
20	3-669-465-00	s WASHER (1.5), STOPPER
21	3-669-480-12	s SCREW, +PTWH2
22	3-669-666-00	s SPRING, COMPRESSION
23	3-686-568-01	s SPRING, TORSION
24	3-686-637-01	o BRAKE (S), SOFT
25	3-686-760-01	o GUIDE, BAND
26	3-686-882-01	s SPRING, TENSION
27	3-686-885-01	s SPRING, TENSION
28	3-686-904-01	s SPRING, TENSION
29	3-686-991-01	o STOPPER, REEL TABLE
30	3-712-406-01	s CLAMP, WIRE
31	3-712-410-01	s HOLDER, RS
32	3-712-411-01	s INSULATOR, RS
33	3-179-851-01	s SPRING, TENSION
34	3-722-175-01	s SPACER, MD
35	3-947-120-01	s SPRING, TENSION
36	3-947-127-01	o SOLENOID (BASE)
37	3-947-143-02	o ARM, CR LIMITER
38	8-745-001-07	s DM-230-1

Threading Ring and Tape Path Blocks



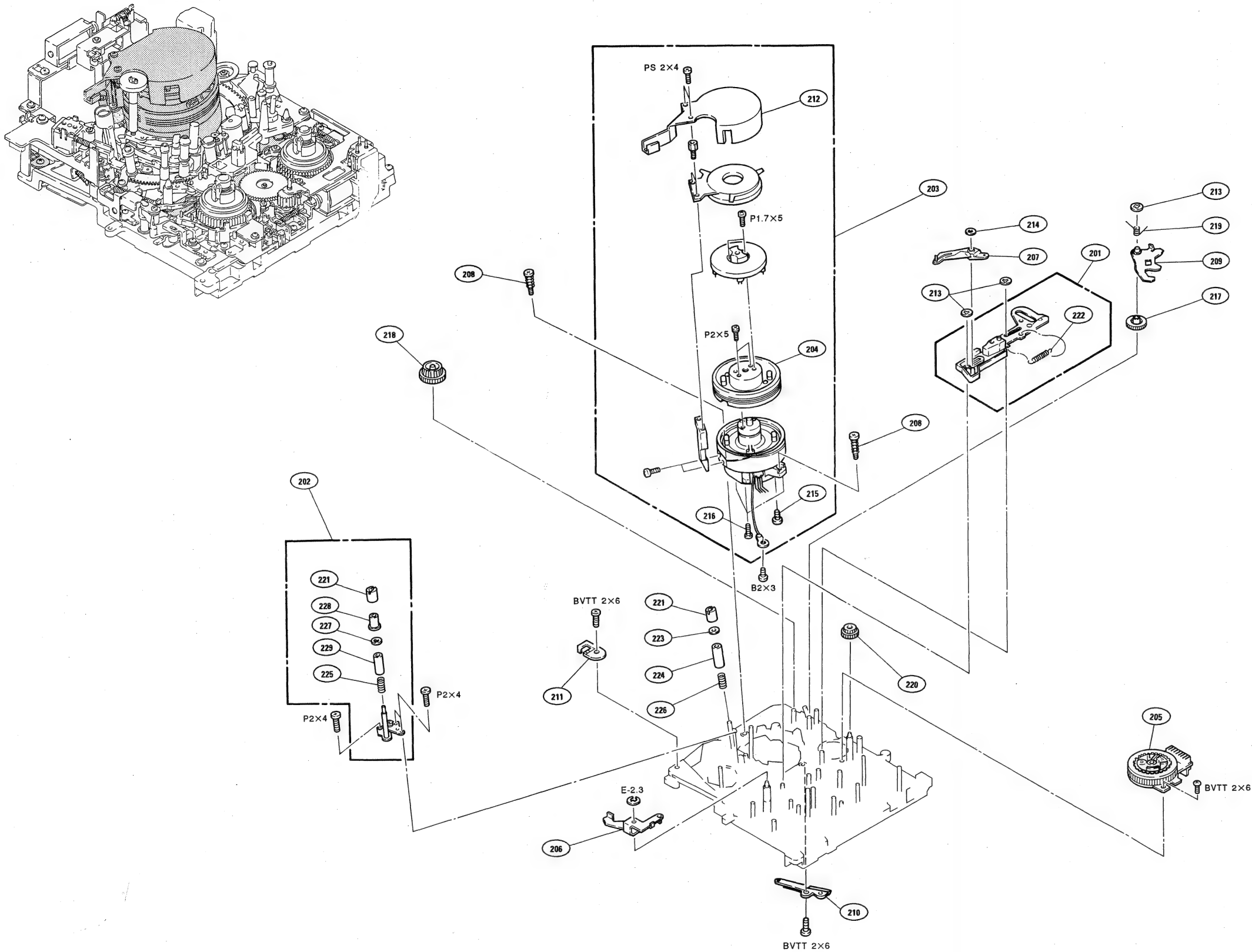
No.	Part No.	SP Description
101	A-7040-001-A	s GUIDE BLOCK ASSY, SLANT
102	A-7040-065-A	s MOTOR ASSY, L (THREADING)
103	A-7040-123-A	s RING ASSY, LOADING
104	A-7040-199-A	s SLIDER (M) BLOCK ASSY, LOCK
105	A-7040-294-C	s GUIDE (K) ASSY, ENTRANCE
106	X-3166-287-1	s V BLOCK (K) ASSY, ENTRANCE
107	X-3686-514-1	s GEAR ASSY, No.1
108	X-3686-574-1	s BRAKE ASSY, MAIN, TAKE-UP
109	X-3713-429-1	s BRAKE ASSY, MAIN, S
110	1-161-057-00	s CAP, CERAMIC 0.033MFx
111	1-454-377-21	s SOLENOID, PLUNGER (BLAKE)
112	3-315-384-31	s WASHER, STOPPER
113	3-315-414-00	s WASHER
114	3-316-938-31	s SCREW (B1.4x4), TAPPING
115	3-669-465-00	s WASHER (1.5), STOPPER
116	3-686-503-01	o RETAINER, ROLLER
117	3-686-508-01	s GEAR, No.2
118	3-686-537-01	s RETAINER, LOCK SLIDER
119	3-686-544-01	s GEAR, No.4
120	3-686-545-01	s GEAR, No.3
121	3-686-546-01	s BELT, L-MOTOR
122	3-686-629-01	o SLIDER, SELECTION, UPPER & LOWER
123	3-686-635-01	o ARM, P
124	3-686-636-04	o ARM, T, S RELEASE
125	3-686-663-01	s WASHER, STOPPER, 2 GANG
126	3-686-675-01	o STOPPER, RING
127	3-686-701-01	s SPRING
128	3-686-757-01	o CAP, SHIELD, L-MOTOR
129	3-686-911-01	o PLATE, TOP, ROLLER
130	3-697-518-01	s GEAR, No.10
131	3-697-538-01	s ROLLER, RING
132	3-699-509-01	s GEAR, SECTOR
133	3-701-436-21	s WASHER, POLYETHYLENE
134	3-713-560-01	s SPRING, TENSION
135	3-722-153-01	s FLY WHEEL
136	8-835-364-01	s MOTOR, DC (BHF-2802B) (CAPSTAN)
137	X-3686-576-1	s ARM ASSY, PINCH ROLLER
138	3-315-384-31	s WASHER, STOPPER (2.5)
139	3-726-704-01	o SPRING, TORSION (0.29)

Threading Ring and Tape Path Blocks



No.	Part No.	SP Description
101	A-7040-001-A	s GUIDE BLOCK ASSY, SLANT
102	A-7040-065-A	s MOTOR ASSY, L (THREADING)
103	A-7040-123-A	s RING ASSY, LOADING
104	A-7040-199-A	s SLIDER (M) BLOCK ASSY, LOCK
105	A-7040-294-C	s GUIDE (K) ASSY, ENTRANCE
106	X-3166-287-1	s V BLOCK (K) ASSY, ENTRANCE
107	X-3686-514-1	s GEAR ASSY, No.1
108	X-3686-574-1	s BRAKE ASSY, MAIN, TAKE-UP
109	X-3713-429-1	s BRAKE ASSY, MAIN, S
110	1-161-057-00	s CAP, CERAMIC 0.033MFX
111	1-454-377-21	s SOLENOID, PLUNGER (BLAKE)
112	3-315-384-31	s WASHER, STOPPER
113	3-315-414-00	s WASHER
114	3-316-938-31	s SCREW (B1.4x4), TAPPING
115	3-669-465-00	s WASHER (1.5), STOPPER
116	3-686-503-01	o RETAINER, ROLLER
117	3-686-508-01	s GEAR, No.2
118	3-686-537-01	s RETAINER, LOCK SLIDER
119	3-686-544-01	s GEAR, No.4
120	3-686-545-01	s GEAR, No.3
121	3-686-546-01	s BELT, L-MOTOR
122	3-686-629-01	o SLIDER, SELECTION, UPPER & LOWER
123	3-686-635-01	o ARM, P
124	3-686-636-04	o ARM, T, S RELEASE
125	3-686-663-01	s WASHER, STOPPER, 2 GANG
126	3-686-675-01	o STOPPER, RING
127	3-686-701-01	s SPRING
128	3-686-757-01	o CAP, SHIELD, L-MOTOR
129	3-686-911-01	o PLATE, TOP, ROLLER
130	3-697-518-01	s GEAR, No.10
131	3-697-538-01	s ROLLER, RING
132	3-699-509-01	s GEAR, SECTOR
133	3-701-436-21	s WASHER, POLYETHYLENE
134	3-713-560-01	s SPRING, TENSION
135	3-722-153-01	s FLY WHEEL
136	8-835-364-01	s MOTOR, DC (BHF-2802B) (CAPSTAN)
137	X-3686-576-1	s ARM ASSY, PINCH ROLLER
138	3-315-384-31	s WASHER, STOPPER (2.5)
139	3-726-704-01	o SPRING, TORSION (0.29)

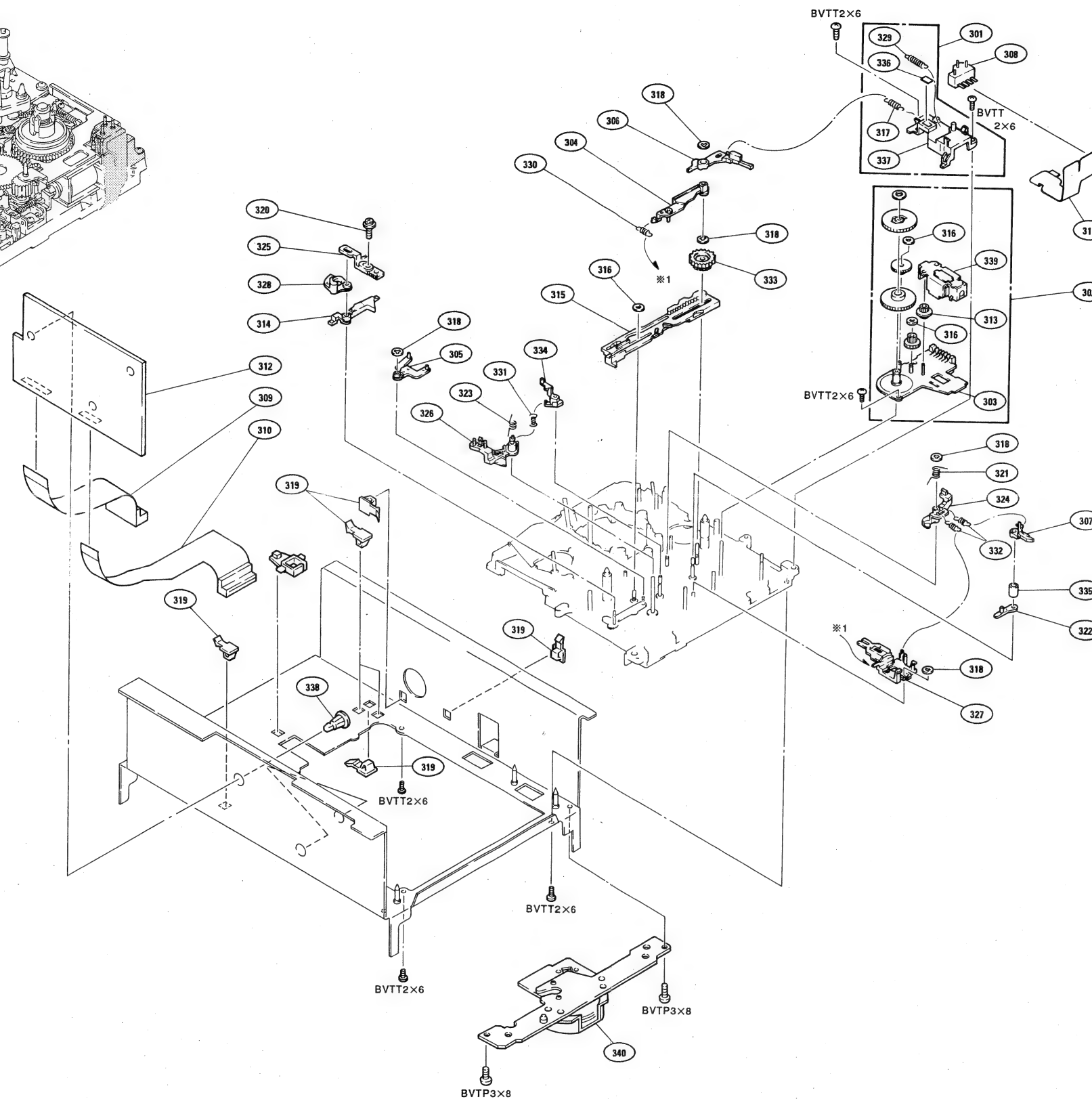
Head Drum and Threading Control Blocks



No.	Part No.	SP Description
201	A-7040-010-A	o SLIDER ASSY, L
202	A-7040-383-A	s GUIDE BLOCK COMPLETE ASSY, #5
203	A-8260-641-A	s DRUM ASSY (DGH-98A-R)
204	A-8260-642-A	s DRUM ASSY, UPPER, ROTARY (DGR-98-R)
205	X-3166-289-1	s L-SW ASSY
206	X-3686-509-1	o LEVER ASSY, PINCH PRESS
207	X-3686-518-3	o ARM ASSY, TENSION REGULATOR
208	X-3686-569-1	s SCREW ASSY, FITTING
209	X-3686-579-1	s CHANGE ASSY, DRIVE
210	1-535-535-11	s TERMINAL, SHAFT GROUND
211	1-806-682-00	s SENSOR, DEW CONDENSATION
212	3-176-836-01	o COVER, DRUM
213	3-315-384-31	s WASHER, STOPPER
215	3-686-423-01	s SCREW, FITTING, STATOR
216	3-686-458-03	s SCREW, (P1.4x3.5), TAPPING
217	3-686-535-01	s GEAR, No.8
218	3-686-539-01	s GEAR, No.9
219	3-686-540-01	s SPRING, TORSION
220	3-686-702-01	s GEAR, DRIVING, GUIDE, SLANT
221	3-686-724-01	s NUT, GUIDE
222	3-686-886-01	s SPRING, TENSION
223	3-686-894-02	o FLANGE, #3, #4 GUIDE
224	3-178-030-01	s GUIDE, #4
225	3-699-514-01	s SPRING, COMPRESSION
226	3-699-609-01	s SPRING, COMPRESSION
227	3-699-512-01	s FLANGE, No.5 GUIDE
228	3-699-513-01	s BOSS, No5 GUIDE
229	3-952-240-01	s GUIDE, No.5

MECHANISM CONTROL BLOCK

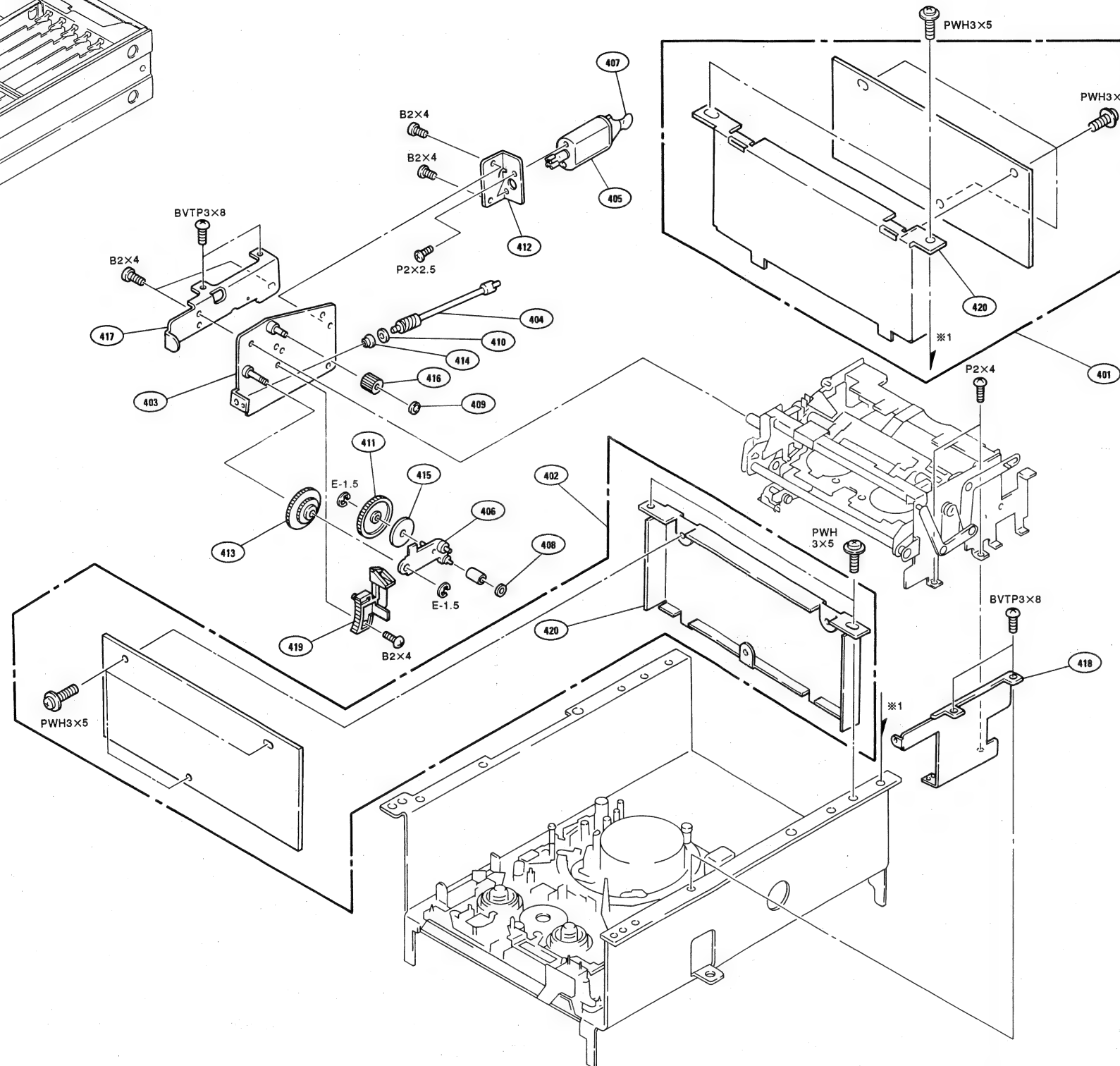
A detailed technical line drawing of a mechanical assembly, possibly a watch movement or a small engine component. The drawing is shown from an isometric perspective. It features a large, central cylindrical component with horizontal ridges. Surrounding this central part are various gears of different sizes, levers, and structural frames. The entire assembly is mounted on a base plate. The drawing is a black and white line art, typical of technical manuals.



No.	Part No.	SP Description
301	A-7040-198-A	s COVER (M) ASSY, C MOTOR
302	A-7040-293-A	s M-SW ASSY
303	A-7071-498-A	o MOUNTED CIRCUIT BOARD, MS-36
304	X-3686-528-4	o ARM ASSY, B RELEASE
305	X-3686-530-1	o ARM (A) ASSY, SELECTION
306	X-3711-987-2	s BRAKE ASSY, T.S
307	X-3711-993-1	s BRAKE ASSY, REW
308	1-572-298-21	s SWITCH, PUSH (REC PROOF/MPHG/ME/MP)
309	A-7070-624-A	o FP-84 MOUNTED CIRCUIT BOARD, (FLEXIBLE)
310	A-7070-625-A	o FP-122 MOUNTED CIRCUIT BOARD, (FLEXIBLE)
311	1-630-923-11	o FP-206 FLEXIBLE BOARD
312	1-642-953-14	o PRINTED CIRCUIT BOARD, CN-551P
313	3-172-901-01	s WHEEL, WORM
314	3-172-908-01	o ARM, MODE
315	3-172-909-01	s SLIDER, M
316	3-315-384-31	s WASHER, STOPPER
317	3-714-035-01	s SPRING, TENSION
318	3-669-465-00	s WASHER (1.5), STOPPER
319	3-671-150-11	o CLAMP
320	3-686-528-01	s SCREW (2x2.6)
321	3-686-579-01	s SPRING
322	3-686-580-01	o ARM, SET-UP
323	3-686-603-04	s SPRING
324	3-686-634-01	o ARM, RL
325	3-686-642-01	o PLATE, ADJUSTMENT, BAND
326	3-686-644-01	o ARM, BAND
327	3-686-656-01	o SLIDER, B RELEASE
328	3-686-755-01	s DISK, EJECT
329	3-722-110-01	s SPRING, TENSION
330	3-686-903-01	s SPRING, TENSION
331	3-686-905-02	s SPRING, TENSION
332	3-686-906-01	s SPRING, TENSION
333	3-686-909-01	s GEAR, MODE OUTPUT
334	3-686-996-01	s BRAKE (S), HARD
335	3-716-933-01	s SPACER, REW BRAKE
336	3-716-963-01	s SHOE, C MOTOR COVER
337	3-739-107-02	s COVER (M), C MOTOR
338	4-912-181-11	o SUPPORT, PC
339	8-835-138-01	s MOTOR, DC (DNR-5301B) (CONTROL)
340	8-835-304-11	s MOTOR, DCU-11B (REEL)

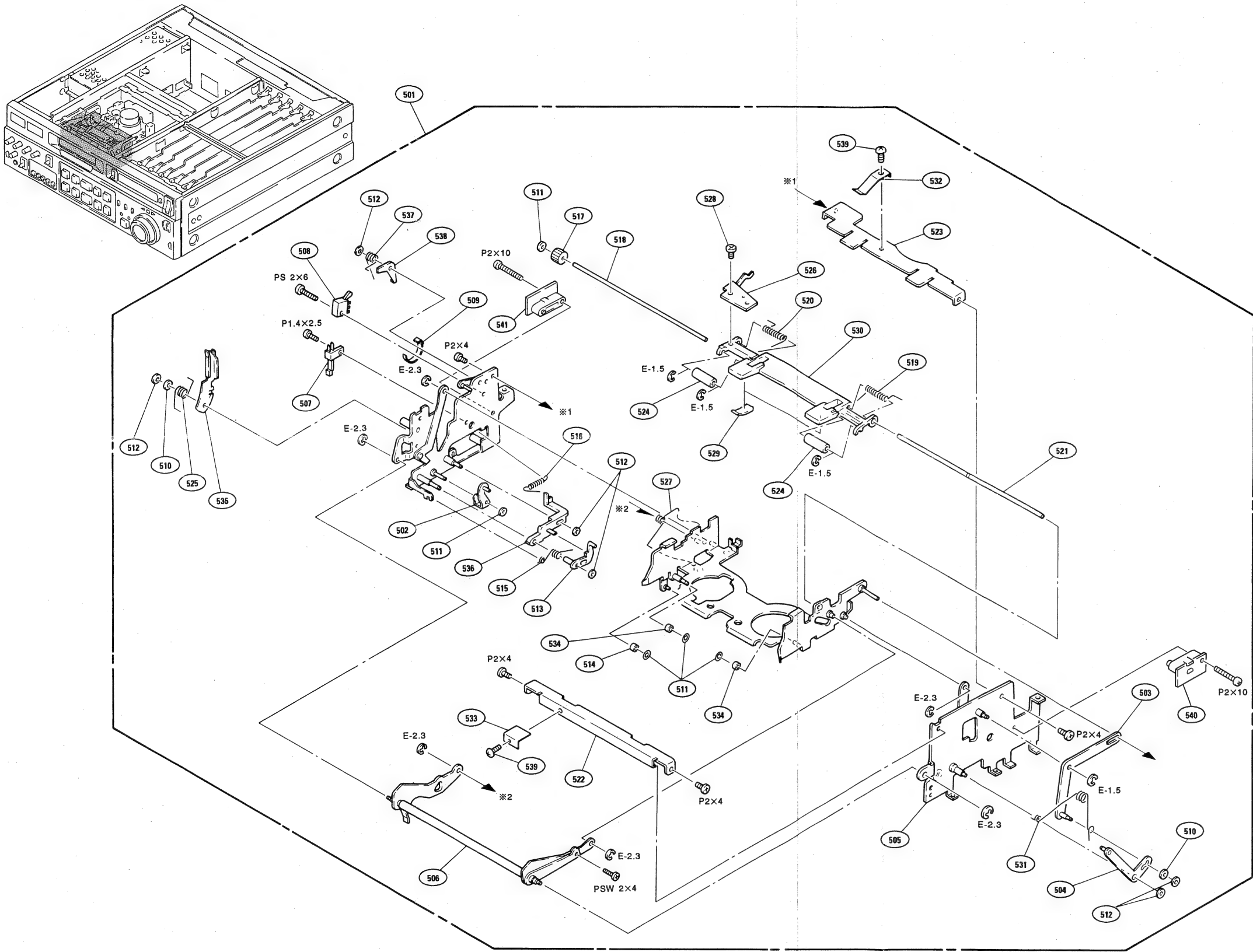
CASSETTE UP COMPARTMENT BLOCK (1)

This diagram illustrates the internal structure of the Sony RDP-1000 cassette deck. It shows the front faceplate with its controls, including the transport controls, level meters, and the tape compartment. The internal components, such as the tape transport mechanism, are shown in an exploded view, indicating their relative positions and how they fit together within the chassis.



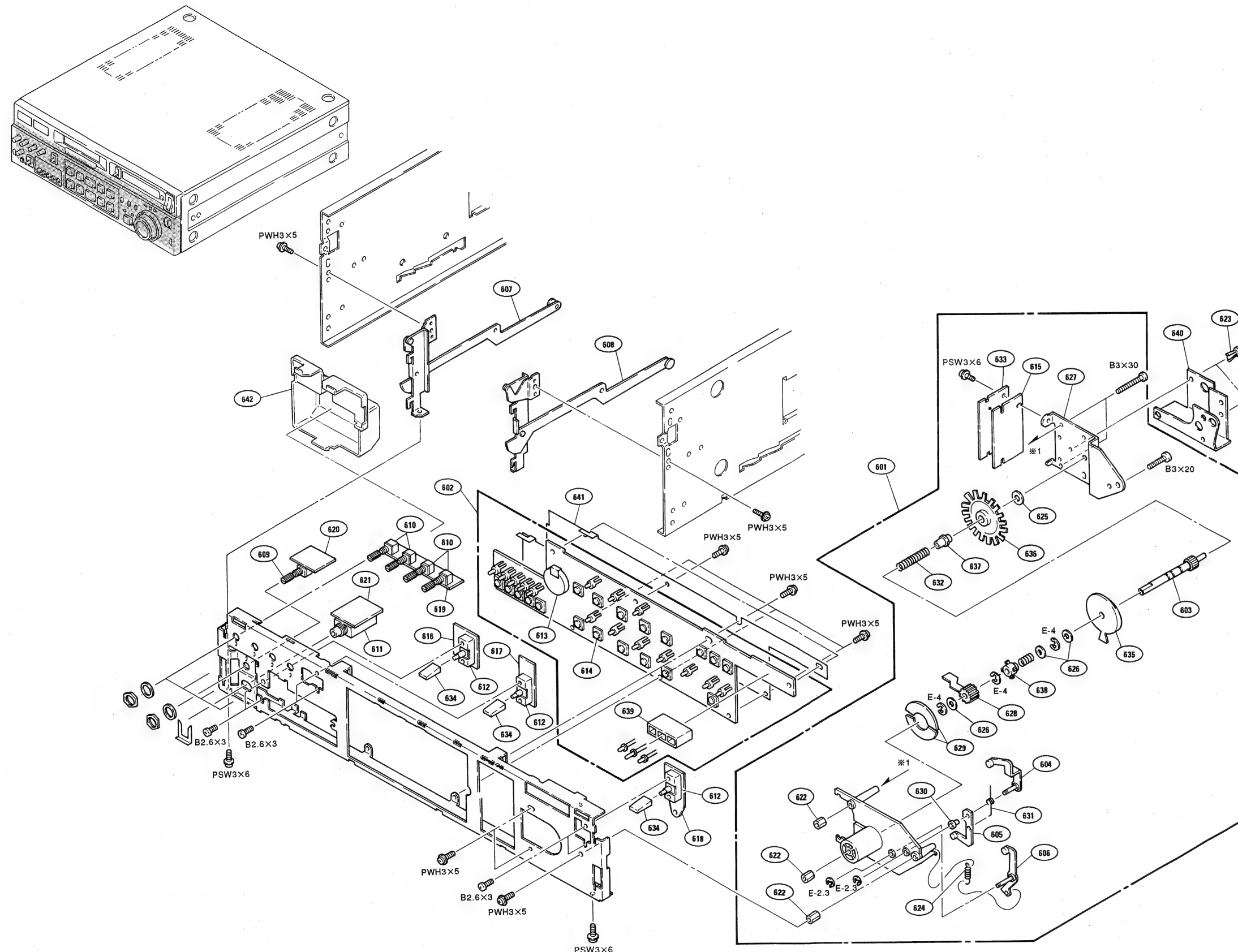
No.	Part No.	SP Description
401	A-8275-234-A	o COMPLETE PCB, VRA-4P
402	A-8271-857-A	o COMPLETE PCB, PRE-10P
403	X-3711-934-1	o PLATE SUB ASSY BLOCK
404	X-3711-935-3	s SHAFT ASSY, WORM
405	X-3711-936-1	s MOTOR ASSY, FL (CASSETTE COMPARTMENT)
406	X-3714-193-1	s LEVER ASSY (B), GEAR
407	1-161-057-00	s CAP, CERAMIC 0.033MFX
408	3-315-414-31	s WASHER
409	3-669-465-00	s WASHER (1.5), STOPPER
410	3-701-437-11	s WASHER
411	3-713-430-01	s GEAR (B)
412	3-713-431-01	o BRACKET, MOTOR
413	3-713-433-01	s GEAR (A)
414	3-713-439-01	s BEARING
415	3-713-441-01	o SPRING, LEFT
416	3-713-452-01	s GEAR (C)
417	3-724-140-01	o BRACKET (LEFT)
418	3-724-141-01	o BRACKET (RIGHT)
419	3-724-913-03	s RACK
420	3-947-136-01	o PLATE SHIELD, RF

Cassette Up Compartment Block (2)



No.	Part No.	SP Description
501	A-8262-783-A	s CASSETTE COMPARTMENT BLOCK ASSY
502	X-3686-541-1	o CLAW ASSY, LOCK
503	X-3711-930-1	s LEVER ASSY, HOLDER
504	X-3711-931-4	s LEVER ASSY, DOOP
505	X-3711-932-1	o PLATE (A) ASSY, SIDE
506	X-3711-937-1	o JOINT ASSY
507	1-553-226-00	s SWITCH, LEAF
508	1-570-407-11	s SWITCH, SLIDE
509	3-337-402-01	o BAND, BINDING
510	3-533-073-01	s WASHER
511	3-578-265-11	s WASHER, STOPPER
512	3-669-465-00	s WASHER (1.5), STOPPER
513	3-686-692-01	s PREVENTION, SLIDER
514	3-686-693-01	o ROLLER, LOCK
515	3-686-694-01	s SPRING, TORTION
516	3-696-047-01	s SPRING, TENSION
517	3-713-429-01	s GEAR (D)
518	3-713-440-01	o SHAFT, ROLLER
519	3-713-442-01	s SPRING (RIGHT)
520	3-713-445-01	s SPRING (LEFT)
521	3-713-457-01	o SHAFT, JOINT
522	3-713-458-01	o REINFORCEMENT
523	3-713-462-03	o STOPPER, HOLDER
524	3-713-466-01	s ROLLER
525	3-713-488-01	s SPRING (2), TORTION
526	3-724-912-01	s PLATE, FUNCTION, LEVER
527	3-713-620-01	s SPRING (1), TORTION
528	3-713-622-01	s SCREW (M1.3x4), TAPPING, 0
529	3-713-625-01	s SHOE, BRAKE
530	3-713-626-01	s COVER, MULTI
531	3-713-628-01	s SPRING, TORTION
532	3-713-658-01	s SPRING
533	3-716-921-01	s SPRING, LEAF
534	3-719-590-01	s ROLLER, ASSIST
535	3-721-125-01	s LEVER, LOCK
536	3-721-136-01	s SLIDER, LOCK
537	3-721-163-01	s SPRING
538	3-721-166-01	s LEVER, SWITCH
539	3-739-116-01	s SCREW (2X3), PS
540	A-7070-627-A	o MOUNTED CIRCUIT BOARD, TS-74 (RIGHT)
541	A-7070-628-A	o MOUNTED CIRCUIT BOARD, TS-74 (LEFT)

Function Control Chassis Block

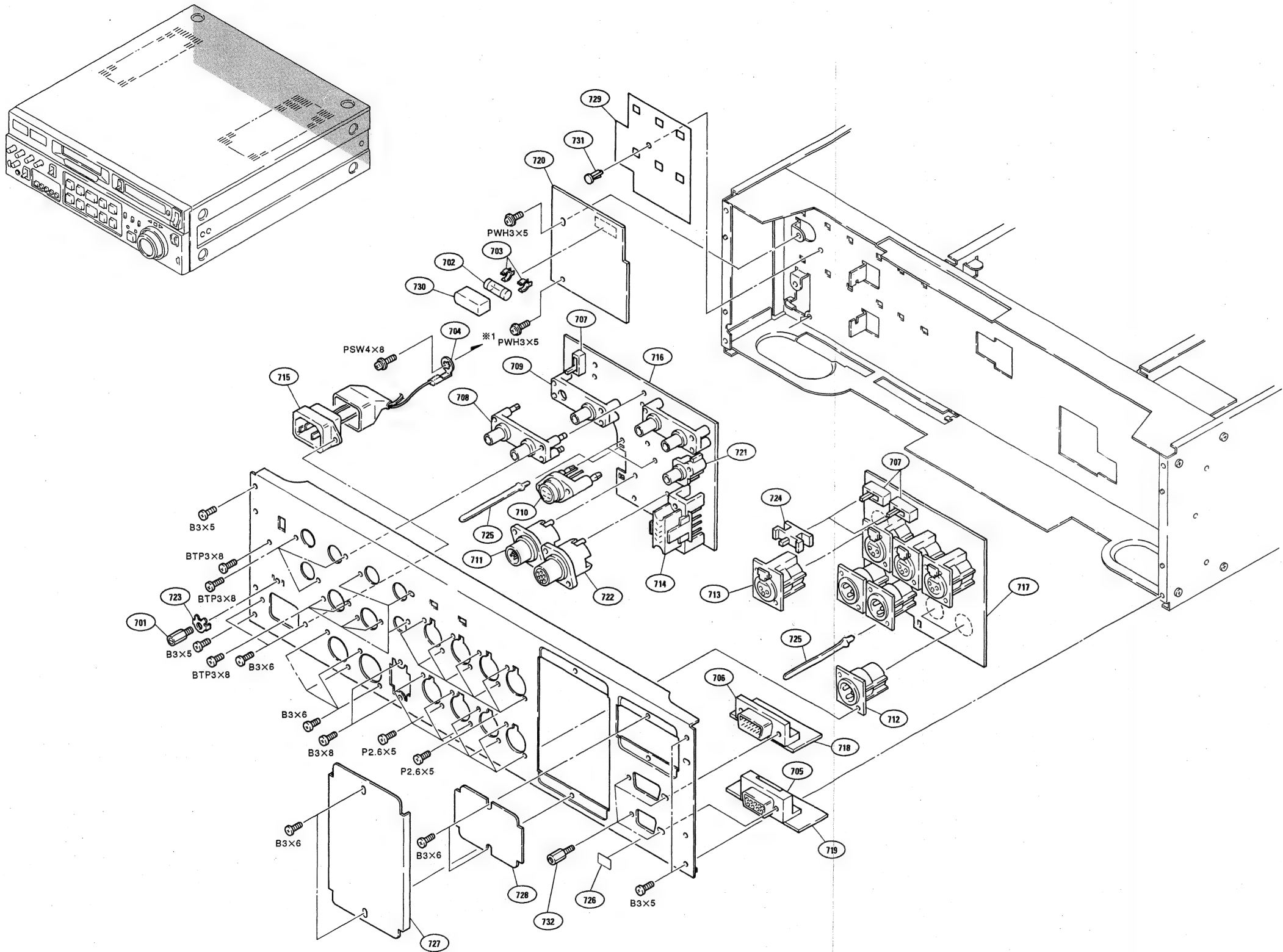


No.	Part No.	SP Description
601	A-6734-238-C	s DIAL BLOCK ASSY, SERCH
602	A-8271-230-A	o MOUNTED CIRCUIT BOARD, KY-217
603	X-3717-226-1	o SHAFT SUB ASSY, MAIN
604	X-3717-227-1	o ARM (RIGHT) ASSY, S10
605	X-3717-228-1	o ARM (LEFT) ASSY, S10
606	X-3717-229-1	o ARM ASSY, RETURN
607	X-3738-903-1	o HINGE (LEFT) ASSY
608	X-3738-904-1	o HINGE (RIGHT) ASSY
609	1-237-703-11	s RES, VAR, CARBON 2k/2k
610	1-238-483-11	s RES, VAR, CARBON 5k
611	1-507-854-00	s JACK, LARGE TYPE
612	1-516-961-00	s SWITCH, LEVER SLIDE
613	1-528-229-11	o BATTERY, LITHIUM (CR-2450)
614	1-552-539-00	s SWITCH, KEY BOARD
615	1-622-638-11	o PRINTED CIRCUIT BOARD, PTC-32
616	1-642-870-11	o PRINTED CIRCUIT BOARD, SW-466
617	1-642-871-11	o PRINTED CIRCUIT BOARD, SW-540
618	1-642-872-11	o PRINTED CIRCUIT BOARD, SW-543
619	1-642-873-11	o PRINTED CIRCUIT BOARD, VR-122
620	1-642-874-11	o PRINTED CIRCUIT BOARD, VR-130
621	1-642-875-11	o PRINTED CIRCUIT BOARD, HP-52
622	2-280-622-11	o SUPPORT (M3), HEXAGON
623	3-531-576-01	s RIVET
624	3-639-371-00	s SPRING, TENSION
625	3-662-048-00	s WASHER, BRACKET
626	3-701-443-21	s WASHER, SDIA.
627	3-717-315-01	o PLATE, BOTTOM, SD
628	3-717-316-03	o GUIDE, LOCK IN
629	3-717-317-01	o PLATE, CLUTCH
630	3-717-318-01	o BEARING, S10
631	3-717-319-01	o SPRING, TORSION
632	3-717-320-01	o SPRING, COMPRESSION
633	3-717-321-01	o PROTECTOR, PTC
634	3-717-382-01	s KNOB, LEVER SW
635	3-717-417-01	o CAM
636	3-717-418-01	o PLATE
637	3-717-553-01	o BEARING, SD
638	3-717-546-02	o GUIDE, LOCK OUT
639	3-718-657-01	o HOLDER, LED
640	3-718-771-01	o COVER (U), SD
641	3-947-152-01	o PROTECTOR, KY
642	3-947-147-01	o PROTECTOR, HVR

CONNECTOR PANEL BLOCK

CONNECTOR PANEL BLOCK

Connector Panel Block

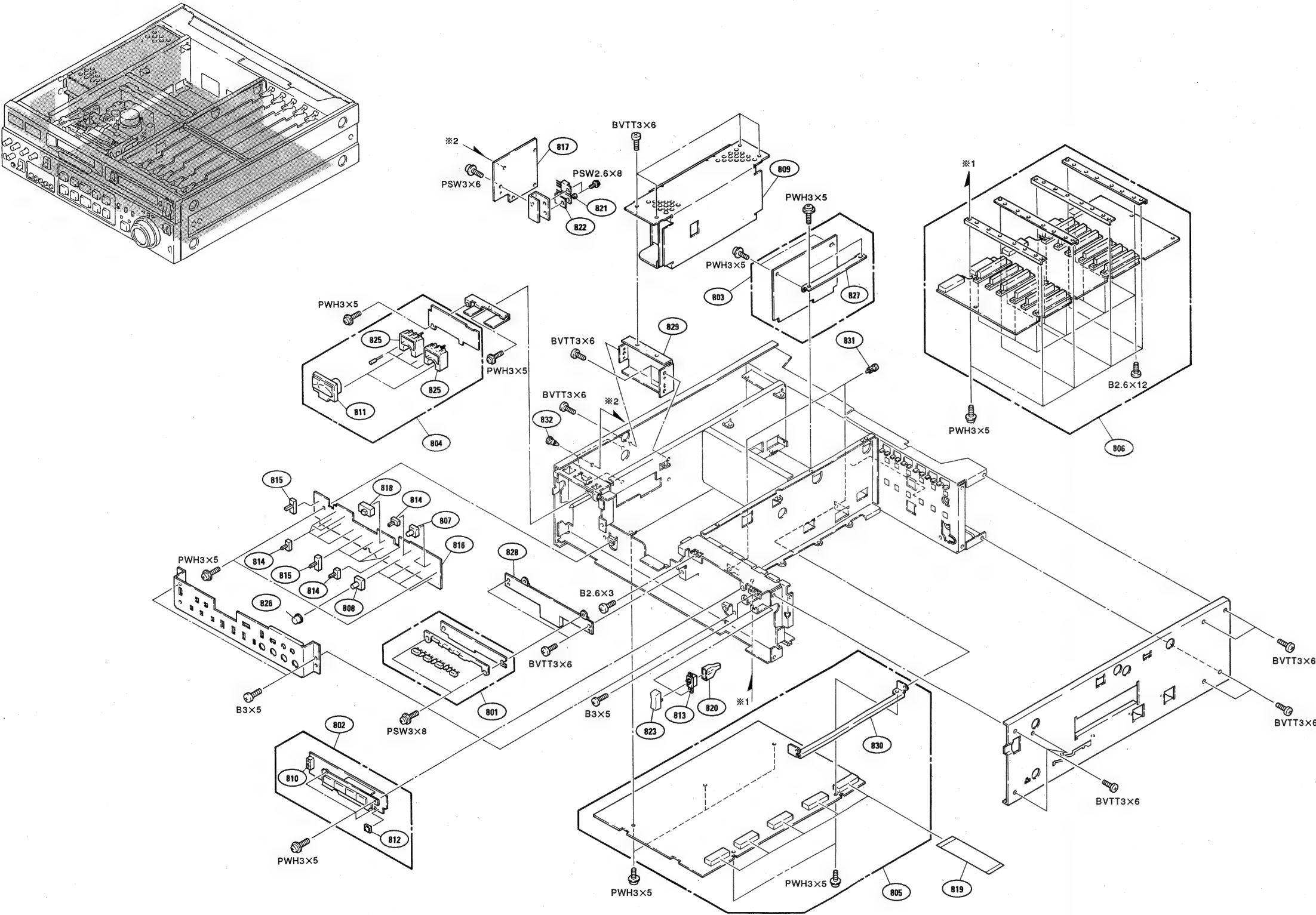


No.	Part No.	SP Description
701	X-2068-004-0	s TERMINAL ASSY
702	▲1-532-203-00	s FUSE, TIME-LAG 2A
703	1-533-189-11	s HOLDER, FUSE
704	1-535-316-11	s TERMINAL, GROUND (M4)
705	1-563-770-11	s SOCKET, D-SUB CONNECTOR 9P
706	1-566-319-11	o PLUG, D-SUB CONNECTOR 15P
707	1-570-145-11	s SWITCH, SLIDE
708	1-573-582-11	s CONNECTOR, BNC (RECEPTACLE)
709	1-573-583-11	s CONNECTOR, BNC (RECEPTACLE)
710	1-573-590-12	s CONNECTOR, (S) TERMINAL 4P
711	1-573-591-11	s CONNECTOR, (R-F)
712	1-573-594-11	s CONNECTOR, XLR TYPE 3P
713	1-573-593-11	s CONNECTOR, XLR TYPE 3P
714	1-573-602-11	s CONNECTOR, (DIP TYPE) 8P
715	▲1-580-375-11	s INLET 3P
716	1-642-967-11	o PRINTED CIRCUIT BOARD, CP-176
717	1-642-968-11	o PRINTED CIRCUIT BOARD, CP-177
718	1-642-970-11	o PRINTED CIRCUIT BOARD, RM-101
719	1-642-971-11	o PRINTED CIRCUIT BOARD, RM-122
720	1-643-013-21	o PRINTED CIRCUIT BOARD, AC-121AP
721	1-691-273-11	s JACK, PIN 1P
722	1-695-195-11	s CONNECTOR (ROUND TYPE) 7P
723	2-068-008-00	s WASHER
724	3-171-450-01	o ADAPTOR, SW
725	3-683-631-01	o CLAMP
726	3-703-080-31	o LABEL (TOP), SUB CAUTION
727	3-733-627-01	o COVER, IF
728	3-947-113-01	o PANEL, TC BLANK
729	3-947-116-01	o INSULATOR, AC
730	4-601-472-00	o COVER, FUSE
731	4-818-403-00	s RIVET, NYLON
732	3-668-459-11	o SCREW, CONNECTOR

MAIN CHASSIS BLOCK

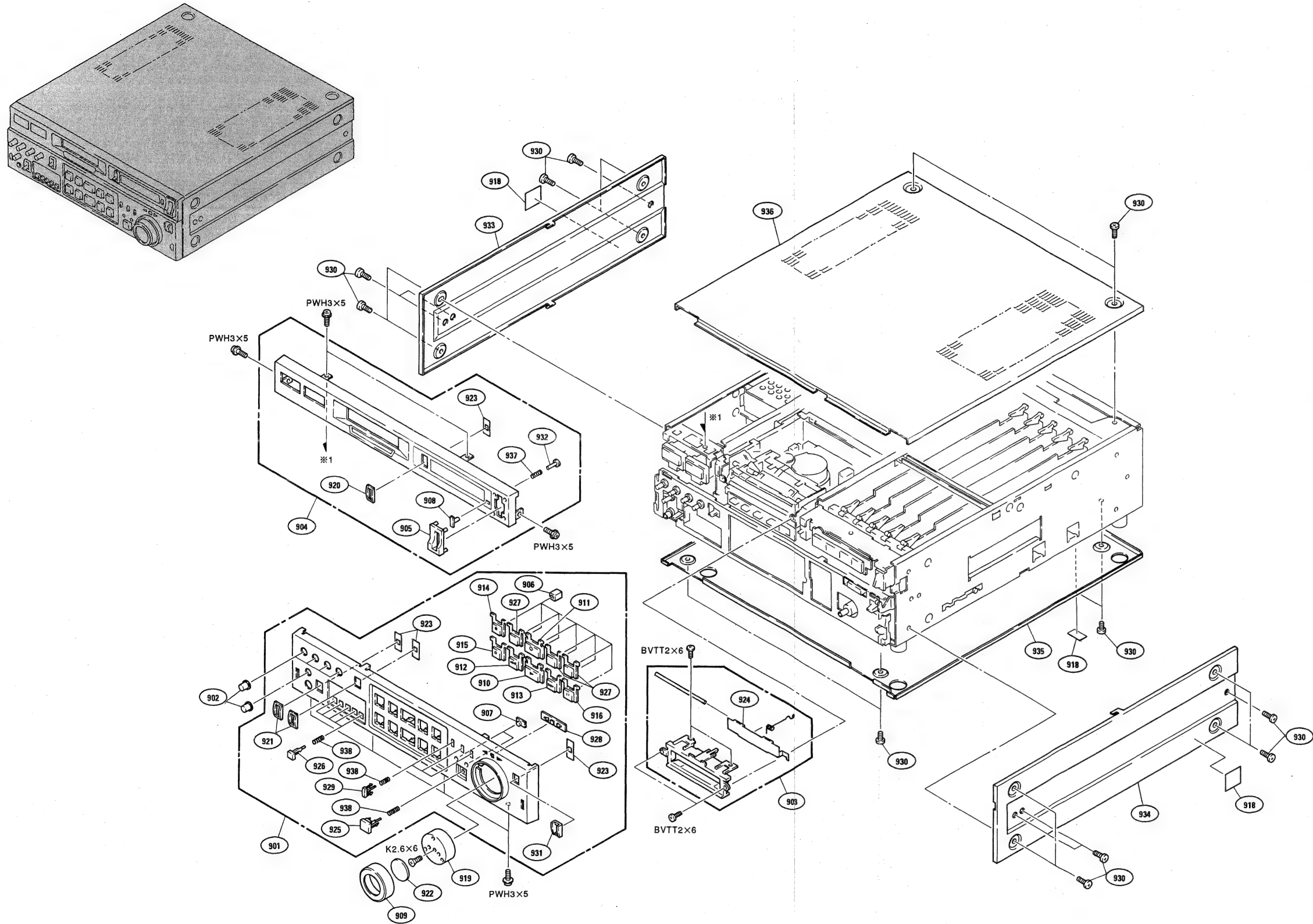
MAIN CHASSIS BLOCK

Main Chassis Block



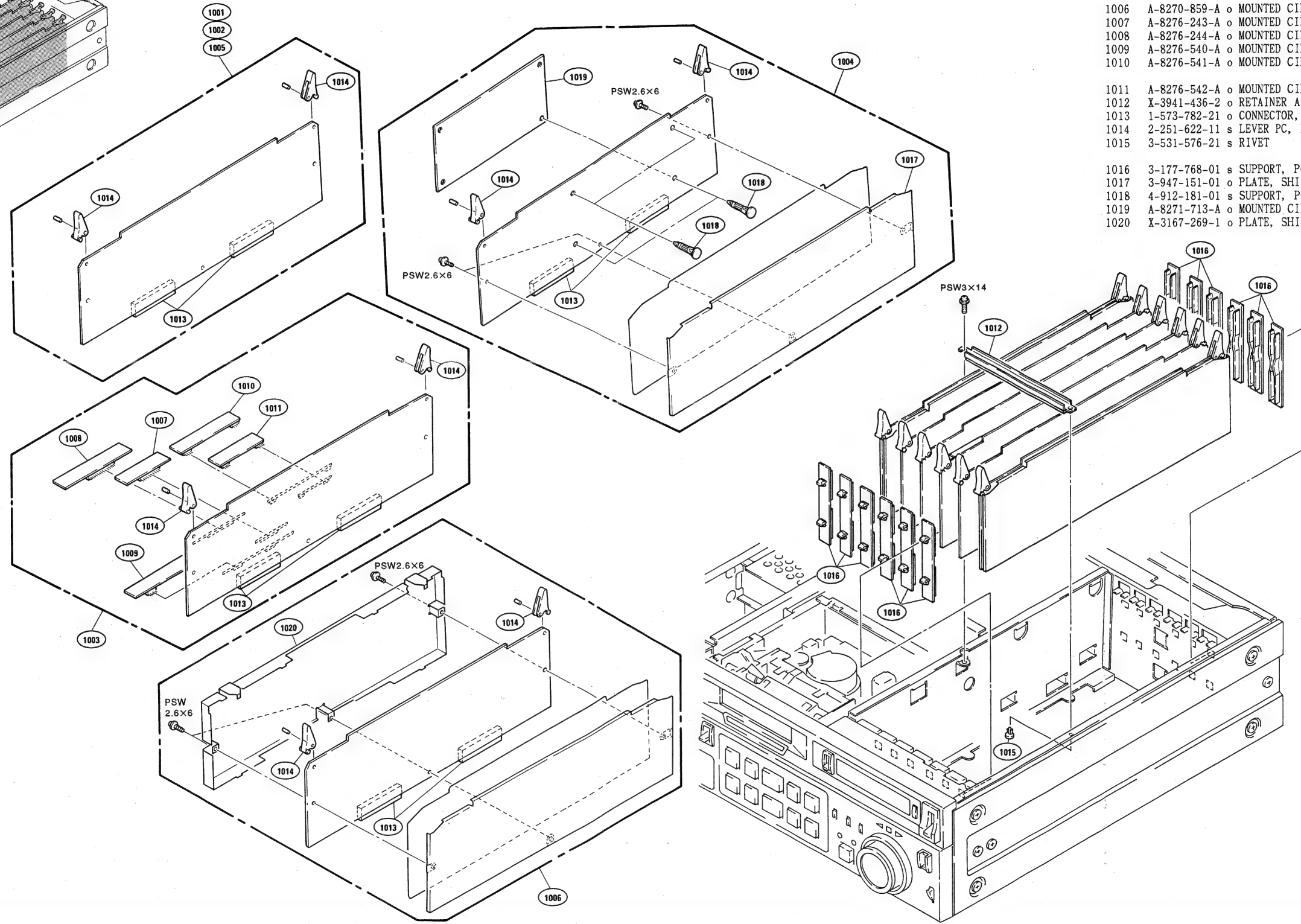
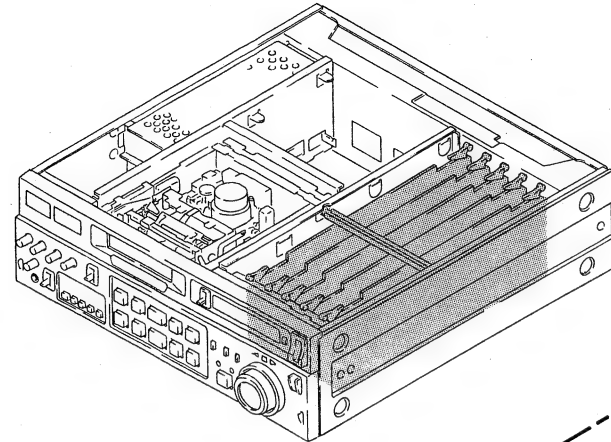
No.	Part No.	SP Description
801	A-7061-770-A	o MOUNTED CIRCUIT BOARD, LP-52
802	A-7061-772-A	o MOUNTED CIRCUIT BOARD, DD-12
803	A-8271-902-A	o MOUNTED CIRCUIT BOARD, AA-57P
804	A-8271-224-A	o MOUNTED CIRCUIT BOARD, MT-57A
805	A-8271-859-A	o MOUNTED CIRCUIT BOARD, SST-2AP
806	A-8276-538-A	o MOUNTED CIRCUIT BOARD, MB-356P
807	1-241-856-11	s RES, VAR, CARBON 5k
808	1-241-918-11	s RES, VAR, CARBON 5k
809	1-413-820-11	s SWITCHING REGULATOR
810	1-516-995-00	s SWITCH, LEVER SLIDE
811	1-520-506-11	s METER, AUDIO LEVEL
812	1-552-539-00	s SWITCH, KEY BOARD
813	1-570-117-41	s SWITCH, ROCKER (AC POWER)
814	1-570-145-11	s SWITCH, SLIDE
815	1-572-374-11	s SWITCH, SLIDE
816	1-642-952-13	o PRINTED CIRCUIT BOARD, SW-467P
817	1-643-015-12	o PRINTED CIRCUIT BOARD, DC-57P
818	1-692-077-11	s SWITCH, SLIDE
819	1-696-147-11	s CORE, FLAT TYPE (26 CORE)
820	2-269-962-00	s COVER, SWITCH
821	2-371-561-00	s BUSHING (P), INSULATING
822	3-334-236-01	s INSULATOR, TO-220
823	3-688-814-01	s CAP, SWITCH
825	3-738-923-01	o HOLDER, LED
826	3-947-117-01	s KNOB, VOL
827	3-947-125-01	o BRACKET, AA
828	3-947-131-01	o BRACKET, LP
829	3-947-132-01	o BRACKET, SW G REG
830	3-947-144-01	o BRACKET, SST
831	4-818-403-00	s RIVET, NYLON
832	4-912-181-11	o SUPPORT, PC

Ornamental Panel Block



No.	Part No.	SP Description
901	A-8262-334-A	o PANEL BLOCK ASSY, KEY
902	X-3668-075-0	s KNOB ASSY, CONTROL
903	X-3738-905-1	o WINDOW ASSY
904	X-3166-960-1	o PANEL ASSY (P), FRONT?
905	2-251-642-00	s GUARD, POWER SWITCH
906	2-284-744-00	o CUSHION (B), KEY
907	3-648-149-41	o COVER (DIA.4), LAMP
908	3-668-008-02	s PUSH BUTTON (3x5)
909	3-668-012-03	s RUBBER, DIAL KNOB
910	3-672-782-02	s KEY TOP (A)
911	3-672-782-11	s KEY TOP (A)
912	3-672-783-02	s KEY TOP (B)
913	3-672-783-12	s KEY TOP (B)
914	3-672-783-32	s KEY TOP (B)
915	3-672-783-42	s KEY TOP (B)
916	3-672-783-52	s KEY TOP (B)
918	3-703-080-31	s LABEL (TOP), SUB CAUTION
919	3-717-370-01	o KNOB, DIAL
920	3-717-374-01	o FRAME (23x12), ORNAMENTAL, SW
921	3-717-375-01	o FRAME (18x12), ORNAMENTAL, SW
922	3-717-557-01	o PLATE, KNOB
923	3-717-613-01	o PLATE, ORNAMENTAL, LSW
924	3-721-101-73	o DOOR
925	3-733-602-01	s KEY TOP (S)
926	3-733-603-01	s KEY TOP
927	3-733-604-01	s KEY TOP (PC)
928	3-733-605-01	s COVER, LED
929	3-733-606-01	s PUSH BUTTON (5x9)
930	3-733-690-01	s +B4x6 (CU, NI)
931	3-738-907-01	s FRAME, ORNAMENTAL, LEVER SW
932	3-738-912-01	s PIN (9), PUSH BUTTON
933	3-738-925-03	o PLATE (LEFT), SIDE
934	3-738-926-03	o PLATE (RIGHT), SIDE
935	3-947-146-01	o PLATE, BOTTOM
936	3-947-148-01	o PLATE, TOP
937	4-309-349-00	s SPRING, COIL
938	4-866-613-00	s SPRING, COMPRESSION

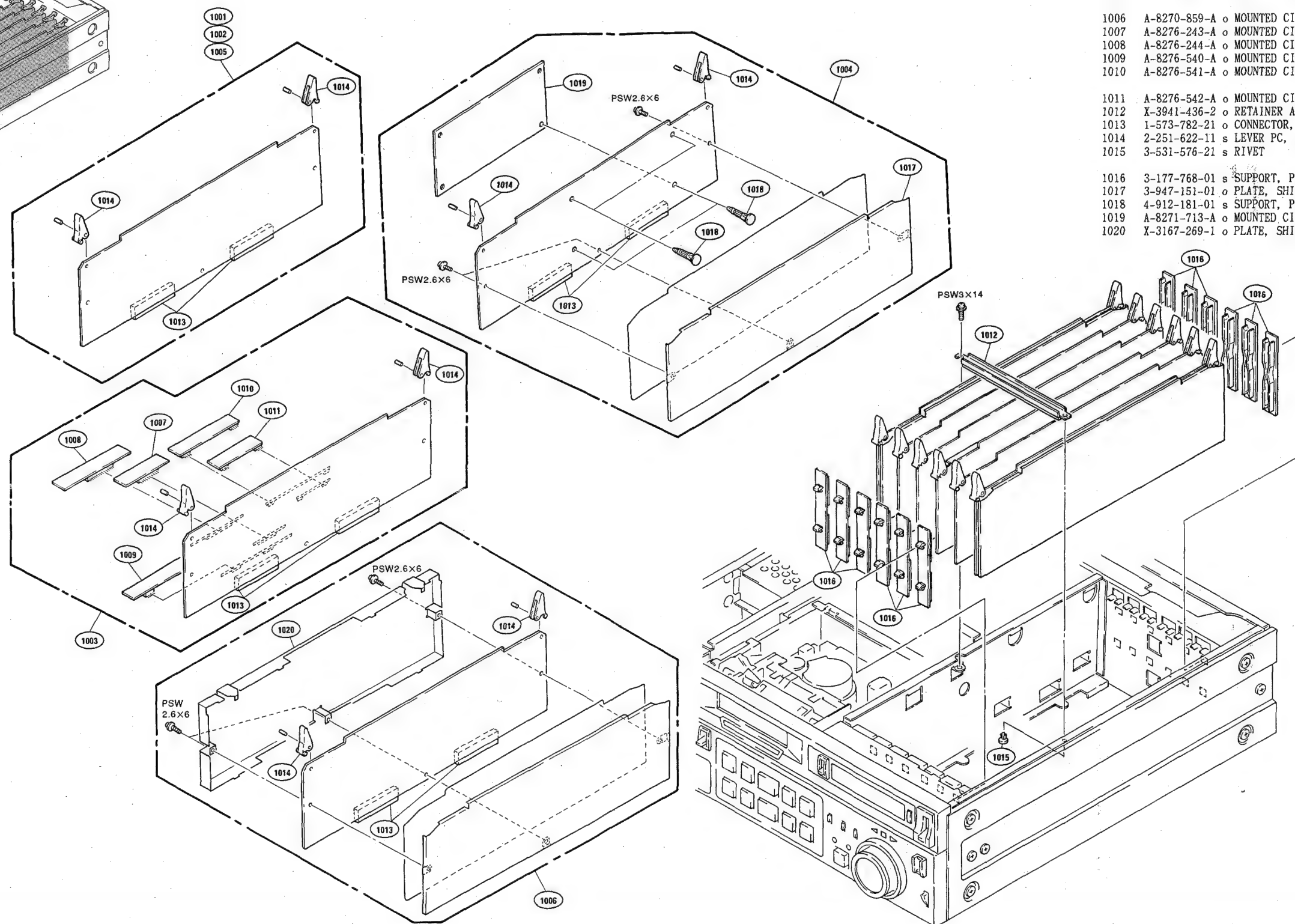
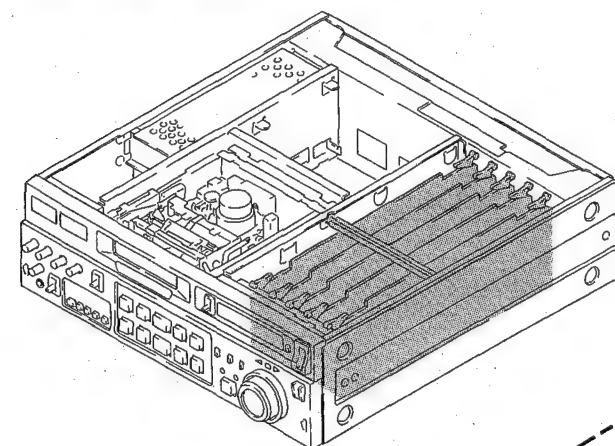
Card Rack Block



No.	Part No.	SP Description
1001	A-8271-854-A	o MOUNTED CIRCUIT BOARD, AU-156AP
1002	A-8271-855-A	o MOUNTED CIRCUIT BOARD, MD-89
1003	A-8271-856-A	o MOUNTED CIRCUIT BOARD, DM-92
1004	A-8271-860-A	o MOUNTED CIRCUIT BOARD, AU-157AP
1005	A-8271-861-A	o MOUNTED CIRCUIT BOARD, VA-111AP
1006	A-8270-859-A	o MOUNTED CIRCUIT BOARD, TBC-27
1007	A-8276-243-A	o MOUNTED CIRCUIT BOARD, CR-40
1008	A-8276-244-A	o MOUNTED CIRCUIT BOARD, CR-41
1009	A-8276-540-A	o MOUNTED CIRCUIT BOARD, FL-129P
1010	A-8276-541-A	o MOUNTED CIRCUIT BOARD, FL-130P
1011	A-8276-542-A	o MOUNTED CIRCUIT BOARD, FL-131P
1012	X-3941-436-2	o RETAINER ASSY, PCB
1013	1-573-782-21	o CONNECTOR, PC BOARD (PLUG) 60P
1014	2-251-622-11	s LEVER PC, BOARD
1015	3-531-576-21	s RIVET
1016	3-177-768-01	s SUPPORT, PC BOARD
1017	3-947-151-01	o PLATE, SHIELD, CARD
1018	4-912-181-01	s SUPPORT, PC
1019	A-8271-713-A	o MOUNTED CIRCUIT BOARD, PD-62
1020	X-3167-269-1	o PLATE, SHIELD ASSY, TBC

CARD RACK BLOCK CARD RACK BLOCK

Card Rack Block



No.	Part No.	SP Description
1001	A-8271-854-A	o MOUNTED CIRCUIT BOARD, AU-156AP
1002	A-8271-855-A	o MOUNTED CIRCUIT BOARD, MD-89
1003	A-8271-856-A	o MOUNTED CIRCUIT BOARD, DM-92
1004	A-8271-860-A	o MOUNTED CIRCUIT BOARD, AU-157AP
1005	A-8271-861-A	o MOUNTED CIRCUIT BOARD, VA-111AP
1006	A-8270-859-A	o MOUNTED CIRCUIT BOARD, TBC-27
1007	A-8276-243-A	o MOUNTED CIRCUIT BOARD, CR-40
1008	A-8276-244-A	o MOUNTED CIRCUIT BOARD, CR-41
1009	A-8276-540-A	o MOUNTED CIRCUIT BOARD, FL-129P
1010	A-8276-541-A	o MOUNTED CIRCUIT BOARD, FL-130P
1011	A-8276-542-A	o MOUNTED CIRCUIT BOARD, FL-131P
1012	X-3941-436-2	o RETAINER ASSY, PCB
1013	1-573-782-21	o CONNECTOR, PC BOARD (PLUG) 60P
1014	2-251-622-11	s LEVER PC, BOARD
1015	3-531-576-21	s RIVET
1016	3-177-768-01	s SUPPORT, PC BOARD
1017	3-947-151-01	o PLATE, SHIELD, CARD
1018	4-912-181-01	s SUPPORT, PC
1019	A-8271-713-A	o MOUNTED CIRCUIT BOARD, PD-62
1020	X-3167-269-1	o PLATE, SHIELD ASSY, TBC

14-3. ELECTRICAL PARTS LIST

AA-57P BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8271-902-A	o MOUNTED CIRCUIT BOARD, AA-57P
1pc	3-947-125-01	o BRACKET, AA
2pcs	7-682-903-01	s SCREW +PWH 3x5
C1	1-124-119-00	s ELECT 330uF 20% 16V
C2	1-124-119-00	s ELECT 330uF 20% 16V
C3	1-124-360-00	s ELECT 1000uF 20% 16V
C4	1-124-360-00	s ELECT 1000uF 20% 16V
C5	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C6	1-162-995-11	s CERAMIC, CHIP 0.022uF 50V
C7	1-162-995-11	s CERAMIC, CHIP 0.022uF 50V
C8	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C9	1-124-119-00	s ELECT 330uF 20% 16V
C51	1-124-119-00	s ELECT 330uF 20% 16V
C52	1-124-119-00	s ELECT 330uF 20% 16V
C53	1-124-119-00	s ELECT 330uF 20% 16V
C54	1-124-119-00	s ELECT 330uF 20% 16V
C55	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C56	1-162-995-11	s CERAMIC, CHIP 0.022uF 50V
C57	1-162-995-11	s CERAMIC, CHIP 0.022uF 50V
C58	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C59	1-124-119-00	s ELECT 330uF 20% 16V
C101	1-124-910-11	s ELECT 47uF 20% 50V
C102	1-124-910-11	s ELECT 47uF 20% 50V
C103	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C104	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C105	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C201	1-124-910-11	s ELECT 47uF 20% 50V
C202	1-124-910-11	s ELECT 47uF 20% 50V
C203	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C204	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C205	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C301	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C303	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C304	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C305	1-124-910-11	s ELECT 47uF 20% 50V
C306	1-124-910-11	s ELECT 47uF 20% 50V
C401	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C403	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C404	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C405	1-124-910-11	s ELECT 47uF 20% 50V
C406	1-124-910-11	s ELECT 47uF 20% 50V
C501	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C601	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C701	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C801	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
CN201	1-506-468-11	s CONNECTOR, 3P, MALE
CN202	1-506-468-11	s CONNECTOR, 3P, MALE
CN203	1-506-468-11	s CONNECTOR, 3P, MALE
CN204	1-564-002-41	s CONNECTOR, 3P, MALE
CN205	1-506-474-11	s CONNECTOR, 9P, MALE
CN206	1-506-469-11	s CONNECTOR, 4P, MALE
CN207	1-506-469-11	s CONNECTOR, 4P, MALE
CN208	1-564-009-11	o CONNECTOR, 10P, MALE
CN209	1-506-469-11	s CONNECTOR, 4P, MALE
CN210	1-506-469-11	s CONNECTOR, 4P, MALE
D101	8-719-106-35	s DIODE RD8.2M-B2
D102	8-719-106-35	s DIODE RD8.2M-B2
D103	8-719-106-35	s DIODE RD8.2M-B2

(AA-57P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
D104	8-719-106-35	s DIODE RD8.2M-B2
D201	8-719-106-35	s DIODE RD8.2M-B2
D202	8-719-106-35	s DIODE RD8.2M-B2
D203	8-719-106-35	s DIODE RD8.2M-B2
D204	8-719-106-35	s DIODE RD8.2M-B2
D301	8-719-106-35	s DIODE RD8.2M-B2
D302	8-719-106-35	s DIODE RD8.2M-B2
D303	8-719-106-35	s DIODE RD8.2M-B2
D304	8-719-106-35	s DIODE RD8.2M-B2
D401	8-719-106-35	s DIODE RD8.2M-B2
D402	8-719-106-35	s DIODE RD8.2M-B2
D403	8-719-106-35	s DIODE RD8.2M-B2
D404	8-719-106-35	s DIODE RD8.2M-B2
D501	8-719-800-76	s DIODE 1SS226
D601	8-719-800-76	s DIODE 1SS226
D701	8-719-800-76	s DIODE 1SS226
D801	8-719-800-76	s DIODE 1SS226
IC101	8-759-106-02	s IC UPC4570G2
IC102	8-759-106-02	s IC UPC4570G2
IC103	8-759-300-71	s IC HD14053BFP
IC201	8-759-106-02	s IC UPC4570G2
IC202	8-759-106-02	s IC UPC4570G2
IC203	8-759-300-71	s IC HD14053BFP
IC301	8-759-106-02	s IC UPC4570G2
IC302	8-759-106-02	s IC UPC4570G2
IC401	8-759-106-02	s IC UPC4570G2
IC402	8-759-106-02	s IC UPC4570G2
IC601	8-759-745-64	s IC NJM4560M
IC801	8-759-745-64	s IC NJM4560M
PS1	△1-532-605-00	s LINK, IC 0.4A
PS2	△1-532-605-00	s LINK, IC 0.4A
Q1	8-729-807-16	s TRANSISTOR 2SD1621
Q2	8-729-805-25	s TRANSISTOR 2SB1121-S
Q51	8-729-807-16	s TRANSISTOR 2SD1621
Q52	8-729-805-25	s TRANSISTOR 2SB1121-S
Q501	8-729-301-57	s TRANSISTOR 2SB841
Q502	8-729-301-60	s TRANSISTOR 2SD1081
Q503	8-729-202-38	s TRANSISTOR 2SC3326N
Q601	8-729-301-57	s TRANSISTOR 2SB841
Q602	8-729-301-60	s TRANSISTOR 2SD1081
Q603	8-729-202-38	s TRANSISTOR 2SC3326N
Q701	8-729-301-57	s TRANSISTOR 2SB841
Q702	8-729-301-60	s TRANSISTOR 2SD1081
Q703	8-729-202-38	s TRANSISTOR 2SC3326N
Q801	8-729-301-57	s TRANSISTOR 2SB841
Q802	8-729-301-60	s TRANSISTOR 2SD1081
Q803	8-729-202-38	s TRANSISTOR 2SC3326N
R1	1-216-824-11	s METAL, CHIP 1.8K 5% 1/16W
R2	1-216-824-11	s METAL, CHIP 1.8K 5% 1/16W
R3	1-216-824-11	s METAL, CHIP 1.8K 5% 1/16W
R4	1-216-824-11	s METAL, CHIP 1.8K 5% 1/16W
R5	1-216-824-11	s METAL, CHIP 1.8K 5% 1/16W
R6	1-216-824-11	s METAL, CHIP 1.8K 5% 1/16W
R7	1-216-824-11	s METAL, CHIP 1.8K 5% 1/16W
R8	1-216-824-11	s METAL, CHIP 1.8K 5% 1/16W
R9	1-216-824-11	s METAL, CHIP 1.8K 5% 1/16W
R10	1-216-824-11	s METAL, CHIP 1.8K 5% 1/16W

(AA-57P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R709	1-216-798-11 s	METAL, CHIP 12 5% 1/16W
R710	1-216-798-11 s	METAL, CHIP 12 5% 1/16W
R711	1-216-798-11 s	METAL, CHIP 12 5% 1/16W
R712	1-216-798-11 s	METAL, CHIP 12 5% 1/16W
R713	1-216-798-11 s	METAL, CHIP 12 5% 1/16W
R714	1-216-798-11 s	METAL, CHIP 12 5% 1/16W
R715	1-216-798-11 s	METAL, CHIP 12 5% 1/16W
R716	1-216-798-11 s	METAL, CHIP 12 5% 1/16W
R717	1-216-798-11 s	METAL, CHIP 12 5% 1/16W
R718	1-216-799-11 s	METAL, CHIP 15 5% 1/16W
R719	1-216-799-11 s	METAL, CHIP 15 5% 1/16W
R720	1-216-799-11 s	METAL, CHIP 15 5% 1/16W
R721	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R801	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R802	1-216-830-11 s	METAL, CHIP 5.6K 5% 1/16W
R803	1-216-833-11 s	METAL, CHIP 10K 5% 1/16W
R804	1-216-865-11 s	METAL, CHIP 3K 5% 1/16W
R805	1-216-797-11 s	METAL, CHIP 10 5% 1/16W
R806	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R807	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
R808	1-216-798-11 s	METAL, CHIP 12 5% 1/16W
R809	1-216-798-11 s	METAL, CHIP 12 5% 1/16W
R810	1-216-798-11 s	METAL, CHIP 12 5% 1/16W
R811	1-216-798-11 s	METAL, CHIP 12 5% 1/16W
R812	1-216-798-11 s	METAL, CHIP 12 5% 1/16W
R813	1-216-798-11 s	METAL, CHIP 12 5% 1/16W
R814	1-216-798-11 s	METAL, CHIP 12 5% 1/16W
R815	1-216-798-11 s	METAL, CHIP 12 5% 1/16W
R816	1-216-798-11 s	METAL, CHIP 12 5% 1/16W
R817	1-216-798-11 s	METAL, CHIP 12 5% 1/16W
R818	1-216-799-11 s	METAL, CHIP 15 5% 1/16W
R819	1-216-799-11 s	METAL, CHIP 15 5% 1/16W
R820	1-216-799-11 s	METAL, CHIP 15 5% 1/16W
R821	1-216-821-11 s	METAL, CHIP 1K 5% 1/16W
T501	1-427-586-11 s	TRANSFORMER, INPUT/OUTPUT
T601	1-427-586-11 s	TRANSFORMER, INPUT/OUTPUT
T701	1-427-586-11 s	TRANSFORMER, INPUT/OUTPUT
T801	1-427-586-11 s	TRANSFORMER, INPUT/OUTPUT

AC-121AP BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	1-576-228-11 s	FUSE, H.B.C. 2A 250V
1pc	1-643-013-21 o	PRINTED CIRCUIT BOARD, AC-121A
1pc	4-601-472-00 o	COVER, FUSE
CN911	1-565-395-11 o	CONNECTOR, VH 3P, MALE
CN912	1-564-321-00 o	CONNECTOR, 2P, MALE
F1	1-533-189-11 s	HOLDER, FUSE
F2	1-533-189-11 s	HOLDER, FUSE

AU-156AP BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8271-854-A o	MOUNTED CIRCUIT BOARD, AU-156AP
2pcs	2-251-622-11 s	LEVER, PC BOARD
C1	1-164-227-11 s	CERAMIC, CHIP 0.022uF 10% 25V
C2	1-164-227-11 s	CERAMIC, CHIP 0.022uF 10% 25V
C3	1-126-947-11 s	ELECT 47uF 20% 35V
C4	1-126-933-11 s	ELECT 100uF 20% 16V
C5	1-162-921-11 s	CERAMIC, CHIP 33PF 5% 50V
C6	1-126-947-11 s	ELECT 47uF 20% 35V
C7	1-164-227-11 s	CERAMIC, CHIP 0.022uF 10% 25V
C8	1-164-227-11 s	CERAMIC, CHIP 0.022uF 10% 25V
C9	1-126-947-11 s	ELECT 47uF 20% 35V
C10	1-126-963-11 s	ELECT 4.7uF 20% 50V
C50	1-163-035-00 s	CERAMIC, CHIP 0.047uF 50V
C51	1-164-227-11 s	CERAMIC, CHIP 0.022uF 10% 25V
C52	1-126-947-11 s	ELECT 47uF 20% 35V
C53	1-164-227-11 s	CERAMIC, CHIP 0.022uF 10% 25V
C54	1-164-227-11 s	CERAMIC, CHIP 0.022uF 10% 25V
C55	1-164-227-11 s	CERAMIC, CHIP 0.022uF 10% 25V
C56	1-126-947-11 s	ELECT 47uF 20% 35V
C57	1-164-227-11 s	CERAMIC, CHIP 0.022uF 10% 25V
C58	1-164-227-11 s	CERAMIC, CHIP 0.022uF 10% 25V
C59	1-126-933-11 s	ELECT 100uF 20% 16V
C60	1-162-919-11 s	CERAMIC, CHIP 22PF 5% 50V
C61	1-126-933-11 s	ELECT 100uF 20% 16V
C64	1-126-963-11 s	ELECT 4.7uF 20% 50V
C65	1-164-227-11 s	CERAMIC, CHIP 0.022uF 10% 25V
C101	1-164-227-11 s	CERAMIC, CHIP 0.022uF 10% 25V
C102	1-164-227-11 s	CERAMIC, CHIP 0.022uF 10% 25V
C103	1-126-947-11 s	ELECT 47uF 20% 35V
C104	1-126-933-11 s	ELECT 100uF 20% 16V
C105	1-162-921-11 s	CERAMIC, CHIP 33PF 5% 50V
C106	1-126-947-11 s	ELECT 47uF 20% 35V
C107	1-164-227-11 s	CERAMIC, CHIP 0.022uF 10% 25V
C108	1-164-227-11 s	CERAMIC, CHIP 0.022uF 10% 25V
C109	1-126-947-11 s	ELECT 47uF 20% 35V
C110	1-126-963-11 s	ELECT 4.7uF 20% 50V
C150	1-163-035-00 s	CERAMIC, CHIP 0.047uF 50V
C152	1-126-947-11 s	ELECT 47uF 20% 35V
C153	1-164-227-11 s	CERAMIC, CHIP 0.022uF 10% 25V
C154	1-164-227-11 s	CERAMIC, CHIP 0.022uF 10% 25V
C155	1-164-227-11 s	CERAMIC, CHIP 0.022uF 10% 25V
C156	1-164-227-11 s	CERAMIC, CHIP 0.022uF 10% 25V
C157	1-126-947-11 s	ELECT 47uF 20% 35V
C160	1-162-919-11 s	CERAMIC, CHIP 22PF 5% 50V
C164	1-126-947-11 s	ELECT 47uF 20% 35V
C201	1-164-227-11 s	CERAMIC, CHIP 0.022uF 10% 25V
C202	1-164-227-11 s	CERAMIC, CHIP 0.022uF 10% 25V
C203	1-126-947-11 s	ELECT 47uF 20% 35V
C204	1-126-933-11 s	ELECT 100uF 20% 16V
C205	1-162-921-11 s	CERAMIC, CHIP 33PF 5% 50V
C206	1-126-947-11 s	ELECT 47uF 20% 35V
C207	1-164-227-11 s	CERAMIC, CHIP 0.022uF 10% 25V
C208	1-164-227-11 s	CERAMIC, CHIP 0.022uF 10% 25V
C209	1-126-947-11 s	ELECT 47uF 20% 35V
C250	1-163-035-00 s	CERAMIC, CHIP 0.047uF 50V
C252	1-126-947-11 s	ELECT 47uF 20% 35V
C254	1-164-227-11 s	CERAMIC, CHIP 0.022uF 10% 25V
C255	1-164-227-11 s	CERAMIC, CHIP 0.022uF 10% 25V

14-3. ELECTRICAL PARTS LIST

AA-57P BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8271-902-A	o MOUNTED CIRCUIT BOARD, AA-57P
1pc	3-947-125-01	o BRACKET, AA
2pcs	7-682-903-01	s SCREW +PWH 3x5
C1	1-124-119-00	s ELECT 330uF 20% 16V
C2	1-124-119-00	s ELECT 330uF 20% 16V
C3	1-124-360-00	s ELECT 1000uF 20% 16V
C4	1-124-360-00	s ELECT 1000uF 20% 16V
C5	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C6	1-162-995-11	s CERAMIC, CHIP 0.022uF 50V
C7	1-162-995-11	s CERAMIC, CHIP 0.022uF 50V
C8	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C9	1-124-119-00	s ELECT 330uF 20% 16V
C51	1-124-119-00	s ELECT 330uF 20% 16V
C52	1-124-119-00	s ELECT 330uF 20% 16V
C53	1-124-119-00	s ELECT 330uF 20% 16V
C54	1-124-119-00	s ELECT 330uF 20% 16V
C55	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C56	1-162-995-11	s CERAMIC, CHIP 0.022uF 50V
C57	1-162-995-11	s CERAMIC, CHIP 0.022uF 50V
C58	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C59	1-124-119-00	s ELECT 330uF 20% 16V
C101	1-124-910-11	s ELECT 47uF 20% 50V
C102	1-124-910-11	s ELECT 47uF 20% 50V
C103	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C104	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C105	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C201	1-124-910-11	s ELECT 47uF 20% 50V
C202	1-124-910-11	s ELECT 47uF 20% 50V
C203	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C204	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C205	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C301	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C303	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C304	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C305	1-124-910-11	s ELECT 47uF 20% 50V
C306	1-124-910-11	s ELECT 47uF 20% 50V
C401	1-162-964-11	s CERAMIC, CHIP 0.001uF 10% 50V
C403	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C404	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C405	1-124-910-11	s ELECT 47uF 20% 50V
C406	1-124-910-11	s ELECT 47uF 20% 50V
C501	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C601	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C701	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C801	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
CN201	1-506-468-11	s CONNECTOR, 3P, MALE
CN202	1-506-468-11	s CONNECTOR, 3P, MALE
CN203	1-506-468-11	s CONNECTOR, 3P, MALE
CN204	1-564-002-41	s CONNECTOR, 3P, MALE
CN205	1-506-474-11	s CONNECTOR, 9P, MALE
CN206	1-506-469-11	s CONNECTOR, 4P, MALE
CN207	1-506-469-11	s CONNECTOR, 4P, MALE
CN208	1-564-009-11	o CONNECTOR, 10P, MALE
CN209	1-506-469-11	s CONNECTOR, 4P, MALE
CN210	1-506-469-11	s CONNECTOR, 4P, MALE
D101	8-719-106-35	s DIODE RD8.2M-B2
D102	8-719-106-35	s DIODE RD8.2M-B2
D103	8-719-106-35	s DIODE RD8.2M-B2

(AA-57P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
D104	8-719-106-35	s DIODE RD8.2M-B2
D201	8-719-106-35	s DIODE RD8.2M-B2
D202	8-719-106-35	s DIODE RD8.2M-B2
D203	8-719-106-35	s DIODE RD8.2M-B2
D204	8-719-106-35	s DIODE RD8.2M-B2
D301	8-719-106-35	s DIODE RD8.2M-B2
D302	8-719-106-35	s DIODE RD8.2M-B2
D303	8-719-106-35	s DIODE RD8.2M-B2
D304	8-719-106-35	s DIODE RD8.2M-B2
D401	8-719-106-35	s DIODE RD8.2M-B2
D402	8-719-106-35	s DIODE RD8.2M-B2
D403	8-719-106-35	s DIODE RD8.2M-B2
D404	8-719-106-35	s DIODE RD8.2M-B2
D501	8-719-800-76	s DIODE 1SS226
D601	8-719-800-76	s DIODE 1SS226
D701	8-719-800-76	s DIODE 1SS226
D801	8-719-800-76	s DIODE 1SS226
IC101	8-759-106-02	s IC UPC4570G2
IC102	8-759-106-02	s IC UPC4570G2
IC103	8-759-300-71	s IC HD14053BFP
IC201	8-759-106-02	s IC UPC4570G2
IC202	8-759-106-02	s IC UPC4570G2
IC203	8-759-300-71	s IC HD14053BFP
IC301	8-759-106-02	s IC UPC4570G2
IC302	8-759-106-02	s IC UPC4570G2
IC401	8-759-106-02	s IC UPC4570G2
IC402	8-759-106-02	s IC UPC4570G2
IC601	8-759-745-64	s IC NJM4560M
IC801	8-759-745-64	s IC NJM4560M
PS1	▲1-532-605-00	s LINK, IC 0.4A
PS2	▲1-532-605-00	s LINK, IC 0.4A
Q1	8-729-807-16	s TRANSISTOR 2SD1621
Q2	8-729-805-25	s TRANSISTOR 2SB1121-S
Q51	8-729-807-16	s TRANSISTOR 2SD1621
Q52	8-729-805-25	s TRANSISTOR 2SB1121-S
Q501	8-729-301-57	s TRANSISTOR 2SB841
Q502	8-729-301-60	s TRANSISTOR 2SD1081
Q503	8-729-202-38	s TRANSISTOR 2SC3326N
Q601	8-729-301-57	s TRANSISTOR 2SB841
Q602	8-729-301-60	s TRANSISTOR 2SD1081
Q603	8-729-202-38	s TRANSISTOR 2SC3326N
Q701	8-729-301-57	s TRANSISTOR 2SB841
Q702	8-729-301-60	s TRANSISTOR 2SD1081
Q703	8-729-202-38	s TRANSISTOR 2SC3326N
Q801	8-729-301-57	s TRANSISTOR 2SB841
Q802	8-729-301-60	s TRANSISTOR 2SD1081
Q803	8-729-202-38	s TRANSISTOR 2SC3326N
R1	1-216-824-11	s METAL, CHIP 1.8K 5% 1/16W
R2	1-216-824-11	s METAL, CHIP 1.8K 5% 1/16W
R3	1-216-824-11	s METAL, CHIP 1.8K 5% 1/16W
R4	1-216-824-11	s METAL, CHIP 1.8K 5% 1/16W
R5	1-216-824-11	s METAL, CHIP 1.8K 5% 1/16W
R6	1-216-824-11	s METAL, CHIP 1.8K 5% 1/16W
R7	1-216-824-11	s METAL, CHIP 1.8K 5% 1/16W
R8	1-216-824-11	s METAL, CHIP 1.8K 5% 1/16W
R9	1-216-824-11	s METAL, CHIP 1.8K 5% 1/16W
R10	1-216-824-11	s METAL, CHIP 1.8K 5% 1/16W

(AA-57P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R709	1-216-798-11	s METAL, CHIP 12 5% 1/16W
R710	1-216-798-11	s METAL, CHIP 12 5% 1/16W
R711	1-216-798-11	s METAL, CHIP 12 5% 1/16W
R712	1-216-798-11	s METAL, CHIP 12 5% 1/16W
R713	1-216-798-11	s METAL, CHIP 12 5% 1/16W
R714	1-216-798-11	s METAL, CHIP 12 5% 1/16W
R715	1-216-798-11	s METAL, CHIP 12 5% 1/16W
R716	1-216-798-11	s METAL, CHIP 12 5% 1/16W
R717	1-216-798-11	s METAL, CHIP 12 5% 1/16W
R718	1-216-799-11	s METAL, CHIP 15 5% 1/16W
R719	1-216-799-11	s METAL, CHIP 15 5% 1/16W
R720	1-216-799-11	s METAL, CHIP 15 5% 1/16W
R721	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R801	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R802	1-216-830-11	s METAL, CHIP 5.6K 5% 1/16W
R803	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R804	1-216-865-11	s METAL, CHIP 3K 5% 1/16W
R805	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R806	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R807	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R808	1-216-798-11	s METAL, CHIP 12 5% 1/16W
R809	1-216-798-11	s METAL, CHIP 12 5% 1/16W
R810	1-216-798-11	s METAL, CHIP 12 5% 1/16W
R811	1-216-798-11	s METAL, CHIP 12 5% 1/16W
R812	1-216-798-11	s METAL, CHIP 12 5% 1/16W
R813	1-216-798-11	s METAL, CHIP 12 5% 1/16W
R814	1-216-798-11	s METAL, CHIP 12 5% 1/16W
R815	1-216-798-11	s METAL, CHIP 12 5% 1/16W
R816	1-216-798-11	s METAL, CHIP 12 5% 1/16W
R817	1-216-798-11	s METAL, CHIP 12 5% 1/16W
R818	1-216-799-11	s METAL, CHIP 15 5% 1/16W
R819	1-216-799-11	s METAL, CHIP 15 5% 1/16W
R820	1-216-799-11	s METAL, CHIP 15 5% 1/16W
R821	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
T501	1-427-586-11	s TRANSFORMER, INPUT/OUTPUT
T601	1-427-586-11	s TRANSFORMER, INPUT/OUTPUT
T701	1-427-586-11	s TRANSFORMER, INPUT/OUTPUT
T801	1-427-586-11	s TRANSFORMER, INPUT/OUTPUT

AC-121AP BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	▲1-576-228-11	s FUSE, H.B.C. 2A 250V
1pc	1-643-013-21	o PRINTED CIRCUIT BOARD, AC-121A
1pc	4-601-472-00	o COVER, FUSE
CN911	▲1-565-395-11	o CONNECTOR, VH 3P, MALE
CN912	▲1-564-321-00	o CONNECTOR, 2P, MALE
F1	1-533-189-11	s HOLDER, FUSE
F2	1-533-189-11	s HOLDER, FUSE

AU-156AP BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8271-854-A	o MOUNTED CIRCUIT BOARD, AU-156AP
2pcs	2-251-622-11	s LEVER, PC BOARD
C1	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C2	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C3	1-126-947-11	s ELECT 47uF 20% 35V
C4	1-126-933-11	s ELECT 100uF 20% 16V
C5	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C6	1-126-947-11	s ELECT 47uF 20% 35V
C7	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C8	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C9	1-126-947-11	s ELECT 47uF 20% 35V
C10	1-126-963-11	s ELECT 4.7uF 20% 50V
C50	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C51	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C52	1-126-947-11	s ELECT 47uF 20% 35V
C53	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C54	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C55	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C56	1-126-947-11	s ELECT 47uF 20% 35V
C57	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C58	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C59	1-126-933-11	s ELECT 100uF 20% 16V
C60	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C61	1-126-933-11	s ELECT 100uF 20% 16V
C64	1-126-963-11	s ELECT 4.7uF 20% 50V
C65	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C101	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C102	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C103	1-126-947-11	s ELECT 47uF 20% 35V
C104	1-126-933-11	s ELECT 100uF 20% 16V
C105	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C106	1-126-947-11	s ELECT 47uF 20% 35V
C107	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C108	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C109	1-126-947-11	s ELECT 47uF 20% 35V
C110	1-126-963-11	s ELECT 4.7uF 20% 50V
C150	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C152	1-126-947-11	s ELECT 47uF 20% 35V
C153	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C154	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C155	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C156	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C157	1-126-947-11	s ELECT 47uF 20% 35V
C160	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C164	1-126-947-11	s ELECT 47uF 20% 35V
C201	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C202	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C203	1-126-947-11	s ELECT 47uF 20% 35V
C204	1-126-933-11	s ELECT 100uF 20% 16V
C205	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C206	1-126-947-11	s ELECT 47uF 20% 35V
C207	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C208	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C209	1-126-947-11	s ELECT 47uF 20% 35V
C250	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C252	1-126-947-11	s ELECT 47uF 20% 35V
C254	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C255	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V

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Ref. No. or Q'ty	Part No.	SP Description
C260	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C261	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C262	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C263	1-126-964-11	s ELECT 10uF 20% 50V
C264	1-126-963-11	s ELECT 4.7uF 20% 50V
C301	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C302	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C303	1-126-947-11	s ELECT 47uF 20% 35V
C304	1-126-933-11	s ELECT 100uF 20% 16V
C305	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C306	1-126-947-11	s ELECT 47uF 20% 35V
C307	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C308	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C309	1-126-947-11	s ELECT 47uF 20% 35V
C350	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C352	1-126-947-11	s ELECT 47uF 20% 35V
C360	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C364	1-126-947-11	s ELECT 47uF 20% 35V
C501	1-124-464-11	s ELECT 0.22uF 20% 50V
C502	1-126-963-11	s ELECT 4.7uF 20% 50V
C503	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C504	1-126-933-11	s ELECT 100uF 20% 16V
C505	1-163-125-00	s CERAMIC, CHIP 220PF 5% 50V
C506	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C507	1-126-933-11	s ELECT 100uF 20% 16V
C508	1-164-373-11	s CERAMIC, CHIP 0.033uF 25V
C509	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C510	1-162-967-11	s CERAMIC, CHIP 0.0033uF 10% 50V
C511	1-126-933-11	s ELECT 100uF 20% 16V
C512	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C513	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C514	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C515	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C517	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C518	1-162-969-11	s CERAMIC, CHIP 0.0068uF 10% 25V
C519	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C520	1-162-965-11	s CERAMIC, CHIP 0.0015uF 10% 50V
C521	1-124-903-11	s ELECT 1uF 20% 50V
C523	1-162-966-11	s CERAMIC, CHIP 0.0022uF 10% 50V
C524	1-135-159-21	s TANTALUM, CHIP 10uF 10% 20V
C525	1-135-091-00	s TANTALUM, CHIP 1uF 10% 16V
C526	1-135-210-11	s TANTALUM, CHIP 4.7uF 20% 10V
C527	1-163-125-00	s CERAMIC, CHIP 220PF 5% 50V
C528	1-124-902-00	s ELECT 0.47uF 20% 50V
C531	1-124-902-00	s ELECT 0.47uF 20% 50V
C601	1-124-464-11	s ELECT 0.22uF 20% 50V
C602	1-126-963-11	s ELECT 4.7uF 20% 50V
C603	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C604	1-126-933-11	s ELECT 100uF 20% 16V
C605	1-163-125-00	s CERAMIC, CHIP 220PF 5% 50V
C606	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C607	1-126-933-11	s ELECT 100uF 20% 16V
C608	1-164-373-11	s CERAMIC, CHIP 0.033uF 25V
C609	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C610	1-162-967-11	s CERAMIC, CHIP 0.0033uF 10% 50V
C611	1-126-933-11	s ELECT 100uF 20% 16V
C613	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C614	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C615	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V

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Ref. No. or Q'ty	Part No.	SP Description
C617	1-162-963-11	s CERAMIC, CHIP 680PF 10% 50V
C618	1-162-969-11	s CERAMIC, CHIP 0.0068uF 10% 25V
C619	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C620	1-162-965-11	s CERAMIC, CHIP 0.0015uF 10% 50V
C621	1-124-903-11	s ELECT 1uF 20% 50V
C622	1-124-902-00	s ELECT 0.47uF 20% 50V
C623	1-162-966-11	s CERAMIC, CHIP 0.0022uF 10% 50V
C624	1-135-159-21	s TANTALUM, CHIP 10uF 10% 20V
C625	1-135-091-00	s TANTALUM, CHIP 1uF 10% 16V
C626	1-135-210-11	s TANTALUM, CHIP 4.7uF 20% 10V
C627	1-163-125-00	s CERAMIC, CHIP 220PF 5% 50V
C628	1-124-902-00	s ELECT 0.47uF 20% 50V
C629	1-126-966-11	s ELECT 33uF 20% 50V
C630	1-135-210-11	s TANTALUM, CHIP 4.7uF 20% 10V
C631	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C701	1-124-903-11	s ELECT 1uF 20% 50V
C702	1-126-933-11	s ELECT 100uF 20% 16V
C703	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C704	1-126-933-11	s ELECT 100uF 20% 16V
C705	1-126-933-11	s ELECT 100uF 20% 16V
C706	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C707	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C708	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C709	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C710	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C711	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C712	1-164-346-11	s CERAMIC 1uF 16V
C713	1-162-926-11	s CERAMIC, CHIP 82PF 5% 50V
C714	1-124-916-11	s ELECT 22uF 20% 63V
C715	1-124-903-11	s ELECT 1uF 20% 50V
C716	1-124-903-11	s ELECT 1uF 20% 50V
C717	1-124-925-11	s ELECT 2.2uF 20% 100V
C718	1-124-903-11	s ELECT 1uF 20% 50V
C719	1-124-916-11	s ELECT 22uF 20% 63V
C720	1-124-903-11	s ELECT 1uF 20% 50V
C721	1-124-903-11	s ELECT 1uF 20% 50V
C722	1-124-925-11	s ELECT 2.2uF 20% 100V
C723	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C724	1-162-920-11	s CERAMIC, CHIP 27PF 5% 50V
C725	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C726	1-162-207-31	s CERAMIC 22PF 5% 50V
C727	1-162-965-11	s CERAMIC, CHIP 0.0015uF 10% 50V
C728	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C730	1-135-091-00	s TANTALUM, CHIP 1uF 10% 16V
C731	1-135-091-00	s TANTALUM, CHIP 1uF 10% 16V
C732	1-124-903-11	s ELECT 1uF 20% 50V
C733	1-124-464-11	s ELECT 0.22uF 20% 50V
C734	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C735	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C750	1-124-925-11	s ELECT 2.2uF 20% 100V
C801	1-126-947-11	s ELECT 47uF 20% 35V
C802	1-126-964-11	s ELECT 10uF 20% 50V
C803	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C804	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C805	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C806	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C851	1-126-947-11	s ELECT 47uF 20% 35V
C852	1-126-964-11	s ELECT 10uF 20% 50V
C860	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V

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Ref. No. or Q'ty	Part No.	SP Description
C861	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C901	1-126-933-11	s ELECT 100uF 20% 16V
C902	1-126-934-11	s ELECT 220uF 20% 16V
C951	1-126-947-11	s ELECT 47uF 20% 35V
C952	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C953	1-126-947-11	s ELECT 47uF 20% 35V
C954	1-126-947-11	s ELECT 47uF 20% 35V
C955	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C956	1-126-934-11	s ELECT 220uF 20% 16V
C957	1-126-934-11	s ELECT 220uF 20% 16V
C1001	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C1002	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C1003	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C1004	1-164-677-11	s CERAMIC, CHIP 0.033uF 10% 16V
C1005	1-164-677-11	s CERAMIC, CHIP 0.033uF 10% 16V
C1006	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C1007	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
CN221	1-506-488-11	s CONNECTOR 9P, MALE
CN222	1-506-489-11	s CONNECTOR 10P, MALE
CN603	1-573-782-21	o CONNECTOR, PHEC 60P, MALE
CN604	1-573-782-21	o CONNECTOR, PHEC 60P, MALE
D1	8-719-941-86	s DIODE DAN202U
D2	8-719-941-09	s DIODE DAP202U
D50	8-719-941-09	s DIODE DAP202U
D51	8-719-941-09	s DIODE DAP202U
D52	8-719-941-09	s DIODE DAP202U
D53	8-719-941-86	s DIODE DAN202U
D54	8-719-941-86	s DIODE DAN202U
D55	8-719-941-86	s DIODE DAN202U
D101	8-719-941-86	s DIODE DAN202U
D102	8-719-941-09	s DIODE DAP202U
D150	8-719-941-09	s DIODE DAP202U
D151	8-719-941-09	s DIODE DAP202U
D153	8-719-941-09	s DIODE DAP202U
D201	8-719-941-86	s DIODE DAN202U
D202	8-719-941-09	s DIODE DAP202U
D301	8-719-941-86	s DIODE DAN202U
D302	8-719-941-09	s DIODE DAP202U
D750	8-719-941-09	s DIODE DAP202U
D751	8-719-941-09	s DIODE DAP202U
D801	8-719-941-09	s DIODE DAP202U
D802	8-719-941-86	s DIODE DAN202U
D901	8-719-200-02	s DIODE 10E2
D902	8-719-200-02	s DIODE 10E2
D903	8-719-941-09	s DIODE DAP202U
FL701	1-236-550-11	s FILTER, BAND PASS 15MHz
FL702	1-236-551-11	s FILTER, BAND PASS 17MHz
IC1	8-759-603-27	s IC M5201FP
IC2	8-759-701-97	s IC NJM4562M
IC50	8-759-701-97	s IC NJM4562M
IC51	8-759-603-27	s IC M5201FP
IC52	8-759-981-86	s IC RC4556MA
IC53	8-759-009-06	s IC MC14052BF
IC101	8-759-603-27	s IC M5201FP
IC102	8-759-701-97	s IC NJM4562M
IC150	8-759-701-97	s IC NJM4562M
IC151	8-759-603-27	s IC M5201FP

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Ref. No. or Q'ty	Part No.	SP Description
IC201	8-759-603-27	s IC M5201FP
IC202	8-759-701-97	s IC NJM4562M
IC250	8-759-701-97	s IC NJM4562M
IC251	8-759-009-06	s IC MC14052BF
IC301	8-759-603-27	s IC M5201FP
IC302	8-759-701-97	s IC NJM4562M
IC401	8-759-009-03	s IC MC14049UBF
IC501	8-759-823-19	s IC CXA1488R
IC601	8-759-823-19	s IC CXA1488R
IC701	8-759-823-21	s IC CXA1536Q
IC702	8-759-927-46	s IC SN74HC00NS
IC703	8-759-925-74	s IC TC74HC04NS
IC704	8-759-925-72	s IC SN74HC02NS
IC705	8-759-708-05	s IC NJM78L05A
IC751	8-759-239-58	s IC TC74HC221AF
IC801	8-759-603-27	s IC M5201FP
IC851	8-759-603-27	s IC M5201FP
IC1001	8-759-923-63	s IC TL592PS
IC1002	8-759-700-43	s IC NJM4558M
L860	1-412-533-21	s INDUCTOR, 47uH
L900	1-412-533-21	s INDUCTOR, 47uH
L950	1-412-533-21	s INDUCTOR, 47uH
L952	1-408-785-21	s INDUCTOR CHIP 47uH
Q1	8-729-117-32	s TRANSISTOR 2SC4177
Q2	8-729-117-32	s TRANSISTOR 2SC4177
Q3	8-729-117-32	s TRANSISTOR 2SC4177
Q50	8-729-209-11	s TRANSISTOR 2SC4213A-TE85L
Q51	8-729-209-11	s TRANSISTOR 2SC4213A-TE85L
Q54	8-729-209-11	s TRANSISTOR 2SC4213A-TE85L
Q101	8-729-117-32	s TRANSISTOR 2SC4177
Q102	8-729-117-32	s TRANSISTOR 2SC4177
Q103	8-729-117-32	s TRANSISTOR 2SC4177
Q150	8-729-209-11	s TRANSISTOR 2SC4213A-TE85L
Q151	8-729-209-11	s TRANSISTOR 2SC4213A-TE85L
Q154	8-729-209-11	s TRANSISTOR 2SC4213A-TE85L
Q155	8-729-905-18	s TRANSISTOR DTC144EU
Q201	8-729-117-32	s TRANSISTOR 2SC4177
Q202	8-729-117-32	s TRANSISTOR 2SC4177
Q203	8-729-117-32	s TRANSISTOR 2SC4177
Q250	8-729-209-11	s TRANSISTOR 2SC4213A-TE85L
Q251	8-729-209-11	s TRANSISTOR 2SC4213A-TE85L
Q255	8-729-209-11	s TRANSISTOR 2SC4213A-TE85L
Q256	8-729-905-18	s TRANSISTOR DTC144EU
Q257	8-729-905-18	s TRANSISTOR DTC144EU
Q301	8-729-117-32	s TRANSISTOR 2SC4177
Q302	8-729-117-32	s TRANSISTOR 2SC4177
Q303	8-729-117-32	s TRANSISTOR 2SC4177
Q350	8-729-209-11	s TRANSISTOR 2SC4213A-TE85L
Q351	8-729-209-11	s TRANSISTOR 2SC4213A-TE85L
Q602	8-729-117-32	s TRANSISTOR 2SC4177
Q701	8-729-117-32	s TRANSISTOR 2SC4177
Q702	8-729-117-32	s TRANSISTOR 2SC4177
Q703	8-729-117-32	s TRANSISTOR 2SC4177
Q704	8-729-117-32	s TRANSISTOR 2SC4177
Q705	8-729-117-32	s TRANSISTOR 2SC4177
Q706	8-729-117-32	s TRANSISTOR 2SC4177
Q707	8-729-117-32	s TRANSISTOR 2SC4177
Q708	8-729-117-32	s TRANSISTOR 2SC4177

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Ref. No. or Q'ty	Part No.	SP Description
Q709	8-729-117-32	s TRANSISTOR 2SC4177
Q710	8-729-117-32	s TRANSISTOR 2SC4177
Q750	8-729-905-18	s TRANSISTOR DTC144EU
Q751	8-729-117-16	s TRANSISTOR 2SA1611-M6
Q752	8-729-117-32	s TRANSISTOR 2SC4177
Q753	8-729-117-32	s TRANSISTOR 2SC4177
Q754	8-729-117-16	s TRANSISTOR 2SA1611-M6
Q755	8-729-117-32	s TRANSISTOR 2SC4177
Q756	8-729-117-32	s TRANSISTOR 2SC4177
Q801	8-729-209-11	s TRANSISTOR 2SC4213A-TE85L
Q802	8-729-117-32	s TRANSISTOR 2SC4177
Q851	8-729-209-11	s TRANSISTOR 2SC4213A-TE85L
Q852	8-729-117-32	s TRANSISTOR 2SC4177
Q860	8-729-117-32	s TRANSISTOR 2SC4177
Q901	8-729-117-16	s TRANSISTOR 2SA1611-M6
Q902	8-729-117-16	s TRANSISTOR 2SA1611-M6
Q911	8-729-230-49	s TRANSISTOR 2SC2712-YG
Q912	8-729-216-22	s TRANSISTOR 2SA1162
Q1001	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q1002	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q1003	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
R1	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R2	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R3	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R4	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R5	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R6	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R7	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R8	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R9	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R10	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R11	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R12	1-216-843-11	s METAL, CHIP 68K 5% 1/16W
R13	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R15	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R50	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R51	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R52	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R53	1-216-830-11	s METAL, CHIP 5.6K 5% 1/16W
R54	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R55	1-216-832-11	s METAL, CHIP 8.2K 5% 1/16W
R57	1-216-838-11	s METAL, CHIP 27K 5% 1/16W
R58	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R59	1-218-345-11	s METAL, CHIP 9.1K 5% 1/16W
R60	1-216-828-11	s METAL, CHIP 3.9K 5% 1/16W
R61	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R62	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R100	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R103	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R104	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R105	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R106	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R107	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R108	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R109	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R110	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R111	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R112	1-216-843-11	s METAL, CHIP 68K 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R113	1-216-832-11	s METAL, CHIP 8.2K 5% 1/16W
R115	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R116	1-216-820-11	s METAL, CHIP 820 5% 1/16W
R150	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R151	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R152	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R153	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R154	1-216-838-11	s METAL, CHIP 27K 5% 1/16W
R155	1-216-835-11	s METAL, CHIP 15K 5% 1/16W
R157	1-216-835-11	s METAL, CHIP 15K 5% 1/16W
R158	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R159	1-218-345-11	s METAL, CHIP 9.1K 5% 1/16W
R160	1-216-828-11	s METAL, CHIP 3.9K 5% 1/16W
R161	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R162	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R163	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R164	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R165	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R200	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R201	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R202	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R203	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R204	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R205	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R206	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R207	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R208	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R209	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R210	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R211	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R212	1-216-843-11	s METAL, CHIP 68K 5% 1/16W
R213	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R250	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R251	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R252	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R253	1-216-830-11	s METAL, CHIP 5.6K 5% 1/16W
R254	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R255	1-216-832-11	s METAL, CHIP 8.2K 5% 1/16W
R257	1-216-838-11	s METAL, CHIP 27K 5% 1/16W
R266	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R267	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R268	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R269	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R270	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R271	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R272	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R274	1-220-373-11	s METAL, CHIP 62K 0.50% 1/16W
R275	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R276	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R277	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R303	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R304	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R305	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R306	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R307	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R308	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R309	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R310	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R311	1-216-821-11	s METAL, CHIP 1K 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R312	1-216-843-11	s METAL, CHIP 68K 5% 1/16W
R313	1-216-832-11	s METAL, CHIP 8.2K 5% 1/16W
R316	1-216-820-11	s METAL, CHIP 820 5% 1/16W
R350	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R351	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R352	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R353	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R354	1-216-838-11	s METAL, CHIP 27K 5% 1/16W
R355	1-216-835-11	s METAL, CHIP 15K 5% 1/16W
R357	1-216-835-11	s METAL, CHIP 15K 5% 1/16W
R401	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R402	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R403	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R404	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R405	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R406	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R412	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R413	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R414	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R415	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R501	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R503	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R504	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R505	1-218-724-11	s METAL, CHIP 22K 0.50% 1/16W
R506	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R507	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R508	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R510	1-216-832-11	s METAL, CHIP 8.2K 5% 1/16W
R511	1-216-832-11	s METAL, CHIP 8.2K 5% 1/16W
R513	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R514	1-218-883-11	s METAL, CHIP 33K 0.50 1/16W
R515	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R516	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R517	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R518	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R519	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R520	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R521	1-218-732-11	s METAL, CHIP 47K 0.50% 1/16W
R522	1-218-732-11	s METAL, CHIP 47K 0.50% 1/16W
R523	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R524	1-216-853-11	s METAL, CHIP 470K 5% 1/16W
R550	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R601	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R603	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R604	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R605	1-218-724-11	s METAL, CHIP 22K 0.50% 1/16W
R606	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R607	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R608	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R610	1-216-832-11	s METAL, CHIP 8.2K 5% 1/16W
R611	1-216-832-11	s METAL, CHIP 8.2K 5% 1/16W
R613	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R614	1-218-883-11	s METAL, CHIP 33K 0.50 1/16W
R615	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R616	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R617	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R620	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R621	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R622	1-216-864-11	s METAL, CHIP 0 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R623	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R624	1-216-853-11	s METAL, CHIP 470K 5% 1/16W
R650	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R653	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R701	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R702	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R703	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R704	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R705	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R706	1-218-698-11	s METAL, CHIP 1.8K 0.50% 1/16W
R707	1-218-698-11	s METAL, CHIP 1.8K 0.50% 1/16W
R708	1-216-834-11	s METAL, CHIP 12K 5% 1/16W
R709	1-216-820-11	s METAL, CHIP 820 5% 1/16W
R710	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R711	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R712	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R713	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R714	1-218-313-11	s METAL, CHIP 560 1% 1/16W
R715	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R716	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R717	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R718	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R719	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R720	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R721	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R722	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R723	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R724	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R725	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R727	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R728	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R729	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R732	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R733	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R734	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R735	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R736	1-218-732-11	s METAL, CHIP 47K 0.50% 1/16W
R737	1-218-732-11	s METAL, CHIP 47K 0.50% 1/16W
R744	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R745	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R746	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R750	1-216-853-11	s METAL, CHIP 470K 5% 1/16W
R751	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R752	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R753	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R754	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R755	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R756	1-216-835-11	s METAL, CHIP 15K 5% 1/16W
R757	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R758	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R759	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R760	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R761	1-216-835-11	s METAL, CHIP 15K 5% 1/16W
R762	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R763	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R764	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R800	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R801	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R802	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R803	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R804	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R805	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R806	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R807	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R808	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R809	1-216-815-11	s METAL, CHIP 330 5% 1/16W
R850	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R851	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R852	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R853	1-216-797-11	s METAL, CHIP 10 5% 1/16W
R854	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R855	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R856	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R857	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R858	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R859	1-216-815-11	s METAL, CHIP 330 5% 1/16W
R860	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R861	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R862	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R901	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R902	1-216-834-11	s METAL, CHIP 12K 5% 1/16W
R903	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R904	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R905	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R906	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R927	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R928	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R1001	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R1002	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R1003	1-216-824-11	s METAL, CHIP 2.4K 5% 1/16W
R1004	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R1005	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R1006	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R1007	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R1008	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R1009	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R1010	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R1011	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
RV1	1-238-804-11	s RES, ADJ METAL 50K
RV51	1-238-788-11	s RES, ADJ METAL 20K
RV101	1-238-804-11	s RES, ADJ METAL 50K
RV151	1-238-788-11	s RES, ADJ METAL 20K
RV201	1-238-804-11	s RES, ADJ METAL 50K
RV251	1-238-788-11	s RES, ADJ METAL 20K
RV301	1-238-804-11	s RES, ADJ METAL 50K
RV351	1-238-788-11	s RES, ADJ METAL 20K
RV501	1-238-802-11	s RES, ADJ METAL 10K
RV502	1-238-802-11	s RES, ADJ METAL 10K
RV503	1-238-801-11	s RES, ADJ METAL 5K
RV601	1-238-802-11	s RES, ADJ METAL 10K
RV602	1-238-802-11	s RES, ADJ METAL 10K
RV603	1-238-800-11	s RES, ADJ METAL 2K
RV701	1-238-802-11	s RES, ADJ METAL 10K
RV702	1-238-802-11	s RES, ADJ METAL 10K
RV750	1-238-801-11	s RES, ADJ METAL 5K
RV751	1-238-801-11	s RES, ADJ METAL 5K
RV801	1-238-784-11	s RES, ADJ METAL 1K
RV851	1-238-784-11	s RES, ADJ METAL 1K

(AU-156AP BOARD)

Ref. No. or Q'ty	Part No.	SP Description
RV1001	1-238-800-11	s RES, ADJ METAL 2K
S1	1-570-134-11	s SWITCH, SLIDE
X501	1-577-117-21	s CRYSTAL 4.433619MHz

AU-157AP BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8271-860-A	o MOUNTED CIRCUIT BOARD, AU-157AP
1pc	3-947-151-01	o PLATE, SHIELD, CARD
1pc	4-912-181-01	s SUPPORT, PC
1pc	7-621-759-45	s SCREW +PSW 2.6x6
2pcs	2-251-622-11	s LEVER, PC BOARD
C401	1-126-933-11	s ELECT 100uF 20% 16V
C402	1-126-947-11	s ELECT 47uF 20% 35V
C403	1-126-947-11	s ELECT 47uF 20% 35V
C404	1-162-587-11	s CERAMIC, CHIP 0.039uF 10% 25V
C405	1-163-125-00	s CERAMIC, CHIP 220PF 5% 50V
C406	1-126-947-11	s ELECT 47uF 20% 35V
C407	1-162-968-11	s CERAMIC, CHIP 0.0047uF 10% 50V
C408	1-162-917-11	s CERAMIC, CHIP 15PF 5% 50V
C409	1-126-947-11	s ELECT 47uF 20% 35V
C410	1-163-020-00	s CERAMIC, CHIP 0.0082uF 10% 50V
C411	1-135-149-21	s TANTALUM, CHIP 2.2uF 10% 10V
C412	1-135-211-11	s TANTALUM, CHIP 6.8uF 20% 6.3V
C413	1-135-072-21	s TANTALUM, CHIP 0.22uF 10% 35V
C414	1-126-933-11	s ELECT 100uF 20% 16V
C415	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C416	1-124-916-11	s ELECT 22uF 20% 63V
C417	1-124-916-11	s ELECT 22uF 20% 63V
C418	1-124-916-11	s ELECT 22uF 20% 63V
C419	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C420	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C424	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C425	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C426	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C427	1-163-125-00	s CERAMIC, CHIP 220PF 5% 50V
C428	1-126-947-11	s ELECT 47uF 20% 35V
C429	1-124-916-11	s ELECT 22uF 20% 63V
C430	1-126-947-11	s ELECT 47uF 20% 35V
C431	1-135-211-11	s TANTALUM, CHIP 6.8uF 20% 6.3V
C432	1-163-137-00	s CERAMIC, CHIP 680PF 5% 50V
C433	1-124-902-00	s ELECT 0.47uF 20% 50V
C435	1-124-916-11	s ELECT 22uF 20% 63V
C436	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C437	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C438	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C439	1-163-125-00	s CERAMIC, CHIP 220PF 5% 50V
C440	1-126-947-11	s ELECT 47uF 20% 35V
C441	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C442	1-126-933-11	s ELECT 100uF 20% 16V
C443	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C447	1-124-916-11	s ELECT 22uF 20% 63V
C448	1-126-947-11	s ELECT 47uF 20% 35V
C449	1-135-211-11	s TANTALUM, CHIP 6.8uF 20% 6.3V
C450	1-163-012-00	s CERAMIC CHIP 1800PF 10% 50V
C451	1-126-933-11	s ELECT 100uF 20% 16V
C452	1-126-947-11	s ELECT 47uF 20% 35V
C453	1-126-947-11	s ELECT 47uF 20% 35V
C454	1-162-587-11	s CERAMIC, CHIP 0.039uF 10% 25V
C456	1-163-125-00	s CERAMIC, CHIP 220PF 5% 50V
C457	1-162-968-11	s CERAMIC, CHIP 0.0047uF 10% 50V
C458	1-126-947-11	s ELECT 47uF 20% 35V
C459	1-162-917-11	s CERAMIC, CHIP 15PF 5% 50V
C460	1-163-020-00	s CERAMIC, CHIP 0.0082uF 10% 50V
C461	1-163-137-00	s CERAMIC, CHIP 680PF 5% 50V
C462	1-135-149-21	s TANTALUM, CHIP 2.2uF 10% 10V

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Ref. No. or Q'ty	Part No.	SP Description
C463	1-135-211-11	s TANTALUM, CHIP 6.8uF 20% 6.3V
C464	1-135-072-21	s TANTALUM, CHIP 0.22uF 10% 35V
C468	1-126-933-11	s ELECT 100uF 20% 16V
C469	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C470	1-126-933-11	s ELECT 100uF 20% 16V
C471	1-126-963-11	s ELECT 4.7uF 20% 50V
C501	1-126-933-11	s ELECT 100uF 20% 16V
C502	1-126-947-11	s ELECT 47uF 20% 35V
C503	1-126-947-11	s ELECT 47uF 20% 35V
C504	1-162-587-11	s CERAMIC, CHIP 0.039uF 10% 25V
C505	1-163-125-00	s CERAMIC, CHIP 220PF 5% 50V
C506	1-126-947-11	s ELECT 47uF 20% 35V
C507	1-162-968-11	s CERAMIC, CHIP 0.0047uF 10% 50V
C508	1-162-917-11	s CERAMIC, CHIP 15PF 5% 50V
C509	1-126-947-11	s ELECT 47uF 20% 35V
C510	1-163-020-00	s CERAMIC, CHIP 0.0082uF 10% 50V
C511	1-135-149-21	s TANTALUM, CHIP 2.2uF 10% 10V
C512	1-135-211-11	s TANTALUM, CHIP 6.8uF 20% 6.3V
C513	1-135-072-21	s TANTALUM, CHIP 0.22uF 10% 35V
C516	1-124-916-11	s ELECT 22uF 20% 63V
C517	1-124-916-11	s ELECT 22uF 20% 63V
C518	1-124-916-11	s ELECT 22uF 20% 63V
C519	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C520	1-126-947-11	s ELECT 47uF 20% 35V
C521	1-126-947-11	s ELECT 47uF 20% 35V
C522	1-126-947-11	s ELECT 47uF 20% 35V
C523	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C524	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C525	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C526	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C532	1-163-137-00	s CERAMIC, CHIP 680PF 5% 50V
C533	1-124-902-00	s ELECT 0.47uF 20% 50V
C535	1-124-916-11	s ELECT 22uF 20% 63V
C536	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C537	1-126-947-11	s ELECT 47uF 20% 35V
C538	1-126-947-11	s ELECT 47uF 20% 35V
C539	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C540	1-126-947-11	s ELECT 47uF 20% 35V
C543	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C550	1-163-012-00	s CERAMIC CHIP 1800PF 10% 50V
C551	1-126-933-11	s ELECT 100uF 20% 16V
C552	1-126-947-11	s ELECT 47uF 20% 35V
C553	1-126-947-11	s ELECT 47uF 20% 35V
C554	1-162-587-11	s CERAMIC, CHIP 0.039uF 10% 25V
C555	1-163-125-00	s CERAMIC, CHIP 220PF 5% 50V
C556	1-126-947-11	s ELECT 47uF 20% 35V
C557	1-162-968-11	s CERAMIC, CHIP 0.0047uF 10% 50V
C559	1-162-917-11	s CERAMIC, CHIP 15PF 5% 50V
C560	1-163-020-00	s CERAMIC, CHIP 0.0082uF 10% 50V
C561	1-163-137-00	s CERAMIC, CHIP 680PF 5% 50V
C562	1-135-149-21	s TANTALUM, CHIP 2.2uF 10% 10V
C563	1-135-211-11	s TANTALUM, CHIP 6.8uF 20% 6.3V
C564	1-135-072-21	s TANTALUM, CHIP 0.22uF 10% 35V
C571	1-126-963-11	s ELECT 4.7uF 20% 50V
C601	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C602	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C603	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C605	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C606	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V

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Ref. No. or Q'ty	Part No.	SP Description
C607	1-135-211-11 s	TANTALUM, CHIP 6.8uF 20% 6.3V
C608	1-163-035-00 s	CERAMIC, CHIP 0.047uF 50V
C609	1-162-921-11 s	CERAMIC, CHIP 33PF 5% 50V
C610	1-162-921-11 s	CERAMIC, CHIP 33PF 5% 50V
C611	1-163-035-00 s	CERAMIC, CHIP 0.047uF 50V
C612	1-163-035-00 s	CERAMIC, CHIP 0.047uF 50V
C613	1-163-035-00 s	CERAMIC, CHIP 0.047uF 50V
C614	1-163-035-00 s	CERAMIC, CHIP 0.047uF 50V
C615	1-163-035-00 s	CERAMIC, CHIP 0.047uF 50V
C616	1-135-155-21 s	TANTALUM, CHIP 4.7uF 10% 16V
C617	1-163-035-00 s	CERAMIC, CHIP 0.047uF 50V
C618	1-135-155-21 s	TANTALUM, CHIP 4.7uF 10% 16V
C619	1-135-155-21 s	TANTALUM, CHIP 4.7uF 10% 16V
C621	1-163-035-00 s	CERAMIC, CHIP 0.047uF 50V
C622	1-163-035-00 s	CERAMIC, CHIP 0.047uF 50V
C623	1-135-166-21 s	TANTALUM, CHIP 47uF 10% 10V
C624	1-163-035-00 s	CERAMIC, CHIP 0.047uF 50V
C625	1-135-155-21 s	TANTALUM, CHIP 4.7uF 10% 16V
C626	1-161-377-00 s	CERAMIC 0.0047uF 20% 50V
C701	1-162-970-11 s	CERAMIC, CHIP 0.01uF 10% 25V
C702	1-163-035-00 s	CERAMIC, CHIP 0.047uF 50V
C703	1-135-211-11 s	TANTALUM, CHIP 6.8uF 20% 6.3V
C704	1-162-913-11 s	CERAMIC 8PF 50V
C705	1-162-915-11 s	CERAMIC, CHIP 10PF 50V
C706	1-163-275-11 s	CERAMIC, CHIP 0.001uF 5% 50V
C707	1-124-499-11 s	ELECT, NONPOLAR 1uF 20% 50V
C708	1-163-035-00 s	CERAMIC, CHIP 0.047uF 50V
C709	1-162-970-11 s	CERAMIC, CHIP 0.01uF 10% 25V
C710	1-163-038-91 s	CERAMIC, CHIP 0.1uF 25V
C711	1-163-035-00 s	CERAMIC, CHIP 0.047uF 50V
C712	1-163-035-00 s	CERAMIC, CHIP 0.047uF 50V
C713	1-135-211-11 s	TANTALUM, CHIP 6.8uF 20% 6.3V
C714	1-163-035-00 s	CERAMIC, CHIP 0.047uF 50V
C715	1-135-211-11 s	TANTALUM, CHIP 6.8uF 20% 6.3V
C716	1-135-211-11 s	TANTALUM, CHIP 6.8uF 20% 6.3V
C717	1-163-035-00 s	CERAMIC, CHIP 0.047uF 50V
C718	1-163-038-91 s	CERAMIC, CHIP 0.1uF 25V
C719	1-163-035-00 s	CERAMIC, CHIP 0.047uF 50V
C720	1-163-035-00 s	CERAMIC, CHIP 0.047uF 50V
C721	1-163-035-00 s	CERAMIC, CHIP 0.047uF 50V
C722	1-162-915-11 s	CERAMIC, CHIP 10PF 50V
C801	1-163-035-00 s	CERAMIC, CHIP 0.047uF 50V
C803	1-163-035-00 s	CERAMIC, CHIP 0.047uF 50V
C805	1-163-133-00 s	CERAMIC, CHIP 470PF 5% 50V
C806	1-163-035-00 s	CERAMIC, CHIP 0.047uF 50V
C807	1-135-211-11 s	TANTALUM, CHIP 6.8uF 20% 6.3V
C808	1-162-970-11 s	CERAMIC, CHIP 0.01uF 10% 25V
C809	1-162-918-11 s	CERAMIC, CHIP 18PF 5% 50V
C810	1-162-918-11 s	CERAMIC, CHIP 18PF 5% 50V
C811	1-162-919-11 s	CERAMIC, CHIP 22PF 5% 50V
C812	1-163-035-00 s	CERAMIC, CHIP 0.047uF 50V
C813	1-135-211-11 s	TANTALUM, CHIP 6.8uF 20% 6.3V
C814	1-135-211-11 s	TANTALUM, CHIP 6.8uF 20% 6.3V
C815	1-163-035-00 s	CERAMIC, CHIP 0.047uF 50V
C816	1-162-913-11 s	CERAMIC 8PF 50V
C817	1-163-035-00 s	CERAMIC, CHIP 0.047uF 50V
C818	1-135-211-11 s	TANTALUM, CHIP 6.8uF 20% 6.3V
C819	1-163-038-91 s	CERAMIC, CHIP 0.1uF 25V
C820	1-124-499-11 s	ELECT, NONPOLAR 1uF 20% 50V

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Ref. No. or Q'ty	Part No.	SP Description
C821	1-163-035-00 s	CERAMIC, CHIP 0.047uF 50V
C822	1-162-970-11 s	CERAMIC, CHIP 0.01uF 10% 25V
C823	1-163-038-91 s	CERAMIC, CHIP 0.1uF 25V
C824	1-163-035-00 s	CERAMIC, CHIP 0.047uF 50V
C825	1-163-035-00 s	CERAMIC, CHIP 0.047uF 50V
C826	1-135-211-11 s	TANTALUM, CHIP 6.8uF 20% 6.3V
C827	1-162-915-11 s	CERAMIC, CHIP 10PF 50V
C828	1-163-275-11 s	CERAMIC, CHIP 0.001uF 5% 50V
C829	1-162-910-11 s	CERAMIC, CHIP 5PF 50V
C951	1-124-916-11 s	ELECT 22uF 20% 63V
C952	1-124-916-11 s	ELECT 22uF 20% 63V
C953	1-124-916-11 s	ELECT 22uF 20% 63V
C954	1-124-916-11 s	ELECT 22uF 20% 63V
C955	1-163-035-00 s	CERAMIC, CHIP 0.047uF 50V
C956	1-163-035-00 s	CERAMIC, CHIP 0.047uF 50V
C957	1-163-035-00 s	CERAMIC, CHIP 0.047uF 50V
C958	1-163-035-00 s	CERAMIC, CHIP 0.047uF 50V
C960	1-126-933-11 s	ELECT 100uF 20% 16V
C961	1-163-035-00 s	CERAMIC, CHIP 0.047uF 50V
C962	1-163-035-00 s	CERAMIC, CHIP 0.047uF 50V
C963	1-126-933-11 s	ELECT 100uF 20% 16V
C964	1-163-035-00 s	CERAMIC, CHIP 0.047uF 50V
C965	1-163-035-00 s	CERAMIC, CHIP 0.047uF 50V
C966	1-128-057-11 s	ELECT 330uF 20% 6.3V
C967	1-130-487-00 s	MYLAR 0.022uF 5% 50V
CN64	1-506-484-11 s	CONNECTOR, 5P, MALE
CN65	1-506-487-11 s	CONNECTOR 8P, MALE
CN251	1-563-863-21 o	CONNECTOR, 26P, MALE
CN601	1-573-782-21 o	CONNECTOR, PHEC 60P, MALE
CN602	1-573-782-21 o	CONNECTOR, PHEC 60P, MALE
CV701	1-141-423-61 s	CAP, TRIMMER
CV801	1-141-423-61 s	CAP, TRIMMER
D601	8-719-941-86 s	DIODE DAN202U
D602	8-719-941-09 s	DIODE DAP202U
D603	8-719-941-09 s	DIODE DAP202U
D604	8-719-941-86 s	DIODE DAN202U
D605	8-719-941-09 s	DIODE DAP202U
D606	8-719-941-86 s	DIODE DAN202U
D701	8-713-300-88 s	DIODE 1T33C-01
D801	8-719-941-09 s	DIODE DAP202U
D802	8-713-300-88 s	DIODE 1T33C-01
FL401	1-235-900-11 s	FILTER, LOW-PASS 13kHz
FL402	1-235-900-11 s	FILTER, LOW-PASS 13kHz
FL501	1-235-900-11 s	FILTER, LOW-PASS 13kHz
FL502	1-235-900-11 s	FILTER, LOW-PASS 13kHz
IC301	8-759-925-97 s	IC SN74HC86ANS
IC401	8-759-700-43 s	IC NJM4558M
IC402	8-752-009-90 s	IC CX20099
IC403	8-759-700-43 s	IC NJM4558M
IC404	8-752-322-57 s	IC CXD1077M
IC405	8-759-929-26 s	IC TL431CPS
IC406	8-752-322-57 s	IC CXD1077M
IC407	8-759-929-26 s	IC TL431CPS
IC408	8-759-700-43 s	IC NJM4558M
IC409	8-752-009-90 s	IC CX20099
IC410	8-759-603-27 s	IC M5201FP
IC501	8-759-700-43 s	IC NJM4558M
IC503	8-759-700-43 s	IC NJM4558M

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Ref. No. or Q'ty	Part No.	SP Description
IC508	8-759-700-43	s IC NJM4558M
IC510	8-759-603-27	s IC M5201FP
IC601	8-759-149-34	s IC UPD75106G-591-1B
IC603	8-759-300-71	s IC HD14053BFP
IC604	8-752-324-45	s IC CXD1066Q-Z
IC605	8-759-972-13	s IC CF77309FR
IC606	8-752-835-09	s IC CXP5084H-645Q
IC607	8-759-054-79	s IC CF77499PG
IC608	8-759-176-00	s IC CXD8369AQ
IC609	8-759-926-77	s IC SN74HC541NS
IC610	8-759-926-77	s IC SN74HC541NS
IC611	8-759-925-90	s IC SN74HC74NS
IC612	8-759-239-58	s IC TC74HC221AF
IC613	8-759-926-18	s IC SN74HC157ANS
IC701	8-752-010-20	s IC CX20102
IC702	8-752-332-46	s IC CXD1208Q
IC703	8-752-331-00	s IC CXK5864BM-12L
IC704	8-759-926-18	s IC SN74HC157ANS
IC705	8-759-926-18	s IC SN74HC157ANS
IC706	8-759-926-18	s IC SN74HC157ANS
IC801	8-752-010-20	s IC CX20102
IC802	8-752-332-46	s IC CXD1208Q
IC803	8-752-331-00	s IC CXK5864BM-12L
L402	1-410-658-31	s INDUCTOR, CHIP 220uH
L403	1-410-658-31	s INDUCTOR, CHIP 220uH
L601	1-410-393-11	s INDUCTOR CHIP 100uH
L603	1-410-393-11	s INDUCTOR CHIP 100uH
L604	1-410-393-11	s INDUCTOR CHIP 100uH
L606	1-410-393-11	s INDUCTOR CHIP 100uH
L607	1-410-393-11	s INDUCTOR CHIP 100uH
L608	1-410-381-11	s INDUCTOR CHIP 10uH
L701	1-410-393-11	s INDUCTOR CHIP 100uH
L702	1-410-393-11	s INDUCTOR CHIP 100uH
L703	1-410-393-11	s INDUCTOR CHIP 100uH
L704	1-408-970-21	s INDUCTOR 10uH
L705	1-410-393-11	s INDUCTOR CHIP 100uH
L801	1-410-393-11	s INDUCTOR CHIP 100uH
L802	1-410-393-11	s INDUCTOR CHIP 100uH
L803	1-410-393-11	s INDUCTOR CHIP 100uH
L804	1-408-970-21	s INDUCTOR 10uH
L805	1-410-393-11	s INDUCTOR CHIP 100uH
L952	1-408-978-21	s INDUCTOR 47uH
L953	1-408-978-21	s INDUCTOR 47uH
L954	1-412-533-21	s INDUCTOR, 47uH
L955	1-412-533-21	s INDUCTOR, 47uH
L956	1-412-533-21	s INDUCTOR, 47uH
Q401	8-729-209-07	s TRANSISTOR 2SC4213-B
Q402	8-729-209-07	s TRANSISTOR 2SC4213-B
Q501	8-729-209-07	s TRANSISTOR 2SC4213-B
Q502	8-729-209-07	s TRANSISTOR 2SC4213-B
Q602	8-729-905-18	s TRANSISTOR DTC144EU
Q603	8-729-905-18	s TRANSISTOR DTC144EU
Q604	8-729-905-18	s TRANSISTOR DTC144EU
Q605	8-729-209-07	s TRANSISTOR 2SC4213-B
Q606	8-729-905-12	s TRANSISTOR DTA144EU
Q607	8-729-905-18	s TRANSISTOR DTC144EU
Q608	8-729-905-18	s TRANSISTOR DTC144EU
Q609	8-729-905-12	s TRANSISTOR DTA144EU

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Ref. No. or Q'ty	Part No.	SP Description
Q610	8-729-905-18	s TRANSISTOR DTC144EU
Q611	8-729-905-18	s TRANSISTOR DTC144EU
Q612	8-729-905-18	s TRANSISTOR DTC144EU
Q613	8-729-905-18	s TRANSISTOR DTC144EU
Q701	8-729-117-72	s TRANSISTOR 2SC4178
Q801	8-729-117-72	s TRANSISTOR 2SC4178
Q802	8-729-117-16	s TRANSISTOR 2SA1611-M6
Q803	8-729-117-72	s TRANSISTOR 2SC4178
Q806	8-729-907-00	s TRANSISTOR DTC114EU
R401	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R402	1-216-820-11	s METAL, CHIP 820 5% 1/16W
R403	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
R404	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R405	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R406	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R407	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R408	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R409	1-216-826-11	s METAL, CHIP 2.7K 5% 1/16W
R410	1-216-819-11	s METAL, CHIP 680 5% 1/16W
R411	1-216-828-11	s METAL, CHIP 3.9K 5% 1/16W
R412	1-216-834-11	s METAL, CHIP 12K 5% 1/16W
R413	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R414	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R415	1-216-826-11	s METAL, CHIP 2.7K 5% 1/16W
R416	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R417	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
R418	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R419	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R420	1-216-840-11	s METAL, CHIP 39K 5% 1/16W
R422	1-216-835-11	s METAL, CHIP 15K 5% 1/16W
R423	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R424	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R425	1-216-826-11	s METAL, CHIP 2.7K 5% 1/16W
R427	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R428	1-216-816-11	s METAL, CHIP 390 5% 1/16W
R429	1-218-285-11	s METAL, CHIP 75 5% 1/16W
R430	1-216-826-11	s METAL, CHIP 2.7K 5% 1/16W
R431	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
R434	1-216-811-11	s METAL, CHIP 150 5% 1/16W
R435	1-218-768-11	s METAL 470K 0.5% 1/10W
R436	1-216-814-11	s METAL, CHIP 270 5% 1/16W
R437	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R438	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R439	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R440	1-216-826-11	s METAL, CHIP 2.7K 5% 1/16W
R441	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R442	1-216-816-11	s METAL, CHIP 390 5% 1/16W
R443	1-218-285-11	s METAL, CHIP 75 5% 1/16W
R444	1-216-855-11	s METAL, CHIP 680K 5% 1/16W
R445	1-216-826-11	s METAL, CHIP 2.7K 5% 1/16W
R446	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
R448	1-216-811-11	s METAL, CHIP 150 5% 1/16W
R449	1-216-820-11	s METAL, CHIP 820 5% 1/16W
R450	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
R451	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R452	1-216-818-11	s METAL, CHIP 560 5% 1/16W
R453	1-216-834-11	s METAL, CHIP 12K 5% 1/16W
R454	1-216-832-11	s METAL, CHIP 8.2K 5% 1/16W
R456	1-216-833-11	s METAL, CHIP 10K 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R457	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R458	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R459	1-216-826-11	s METAL, CHIP 2.7K 5% 1/16W
R460	1-216-819-11	s METAL, CHIP 680 5% 1/16W
R461	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R462	1-216-828-11	s METAL, CHIP 3.9K 5% 1/16W
R463	1-216-834-11	s METAL, CHIP 12K 5% 1/16W
R464	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R465	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R466	1-216-826-11	s METAL, CHIP 2.7K 5% 1/16W
R467	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R468	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R469	1-218-708-11	s METAL, CHIP 4.7K 0.50% 1/16W
R470	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R471	1-218-708-11	s METAL, CHIP 4.7K 0.50% 1/16W
R472	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R473	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R474	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R475	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R476	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R477	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R501	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R502	1-216-820-11	s METAL, CHIP 820 5% 1/16W
R503	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
R504	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R505	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R506	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R507	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R508	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R509	1-216-826-11	s METAL, CHIP 2.7K 5% 1/16W
R510	1-216-819-11	s METAL, CHIP 680 5% 1/16W
R511	1-216-828-11	s METAL, CHIP 3.9K 5% 1/16W
R512	1-216-834-11	s METAL, CHIP 12K 5% 1/16W
R513	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R514	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R515	1-216-826-11	s METAL, CHIP 2.7K 5% 1/16W
R516	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R517	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
R518	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R519	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R520	1-216-840-11	s METAL, CHIP 39K 5% 1/16W
R522	1-216-835-11	s METAL, CHIP 15K 5% 1/16W
R523	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R524	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R525	1-216-826-11	s METAL, CHIP 2.7K 5% 1/16W
R536	1-216-814-11	s METAL, CHIP 270 5% 1/16W
R538	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R540	1-216-826-11	s METAL, CHIP 2.7K 5% 1/16W
R541	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R549	1-216-820-11	s METAL, CHIP 820 5% 1/16W
R550	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
R552	1-216-818-11	s METAL, CHIP 560 5% 1/16W
R553	1-216-834-11	s METAL, CHIP 12K 5% 1/16W
R554	1-216-832-11	s METAL, CHIP 8.2K 5% 1/16W
R556	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R557	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R558	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R559	1-216-826-11	s METAL, CHIP 2.7K 5% 1/16W
R560	1-216-819-11	s METAL, CHIP 680 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R561	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R562	1-216-828-11	s METAL, CHIP 3.9K 5% 1/16W
R563	1-216-834-11	s METAL, CHIP 12K 5% 1/16W
R564	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R565	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R566	1-216-826-11	s METAL, CHIP 2.7K 5% 1/16W
R567	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R568	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R570	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R576	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R577	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R601	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R602	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R603	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R604	1-216-035-00	s METAL, CHIP 270 5% 1/10W
R605	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R606	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R607	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R609	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R610	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R611	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R612	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R613	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R614	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R615	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R616	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R617	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R618	1-216-836-11	s METAL, CHIP 18K 5% 1/16W
R619	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R620	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R621	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R622	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R623	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R624	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R625	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R626	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R627	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R628	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R629	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R630	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R631	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R632	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R633	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R634	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R635	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R636	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R637	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R638	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R639	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R640	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R641	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R642	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R643	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R644	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R645	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R646	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R647	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R648	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R649	1-216-841-11	s METAL, CHIP 47K 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R650	1-216-035-00	s METAL, CHIP 270 5% 1/10W
R651	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R652	1-216-035-00	s METAL, CHIP 270 5% 1/10W
R653	1-216-035-00	s METAL, CHIP 270 5% 1/10W
R654	1-216-035-00	s METAL, CHIP 270 5% 1/10W
R655	1-216-035-00	s METAL, CHIP 270 5% 1/10W
R656	1-216-035-00	s METAL, CHIP 270 5% 1/10W
R657	1-216-035-00	s METAL, CHIP 270 5% 1/10W
R658	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R659	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R660	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R661	1-216-035-00	s METAL, CHIP 270 5% 1/10W
R662	1-216-035-00	s METAL, CHIP 270 5% 1/10W
R663	1-216-035-00	s METAL, CHIP 270 5% 1/10W
R664	1-216-035-00	s METAL, CHIP 270 5% 1/10W
R665	1-216-035-00	s METAL, CHIP 270 5% 1/10W
R668	1-216-035-00	s METAL, CHIP 270 5% 1/10W
R669	1-216-035-00	s METAL, CHIP 270 5% 1/10W
R670	1-216-035-00	s METAL, CHIP 270 5% 1/10W
R671	1-216-035-00	s METAL, CHIP 270 5% 1/10W
R672	1-216-035-00	s METAL, CHIP 270 5% 1/10W
R673	1-216-035-00	s METAL, CHIP 270 5% 1/10W
R674	1-216-035-00	s METAL, CHIP 270 5% 1/10W
R675	1-216-035-00	s METAL, CHIP 270 5% 1/10W
R676	1-216-035-00	s METAL, CHIP 270 5% 1/10W
R677	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R678	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R679	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R680	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R681	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R683	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R686	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R687	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R688	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R689	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R690	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R691	1-247-887-11	s CARBON 220K 5% 1/4W
R701	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R702	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R703	1-216-818-11	s METAL, CHIP 560 5% 1/16W
R704	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R705	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R706	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R707	1-216-847-11	s METAL, CHIP 150K 5% 1/16W
R708	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R709	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R710	1-216-846-11	s METAL, CHIP 120K 5% 1/16W
R711	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R718	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R720	1-216-803-11	s METAL, CHIP 33 5% 1/16W
R721	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R722	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R723	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R724	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R801	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R802	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R803	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R804	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R805	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R806	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R808	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R809	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R810	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R811	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R814	1-216-819-11	s METAL, CHIP 680 5% 1/16W
R815	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
R816	1-216-832-11	s METAL, CHIP 8.2K 5% 1/16W
R817	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
R818	1-216-818-11	s METAL, CHIP 560 5% 1/16W
R819	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R820	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R821	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R822	1-216-820-11	s METAL, CHIP 820 5% 1/16W
R823	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R824	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R825	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R826	1-216-847-11	s METAL, CHIP 150K 5% 1/16W
R827	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R828	1-216-810-11	s METAL, CHIP 120 5% 1/16W
R829	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R830	1-216-846-11	s METAL, CHIP 120K 5% 1/16W
R831	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R832	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R833	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R890	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R900	1-218-738-11	s METAL, CHIP 82K 0.5% 1/16W
RV402	1-238-803-11	s RES, ADJ METAL 20K
RV403	1-238-785-21	s RES, ADJ, CERMET 2K
RV408	1-238-792-11	s RES, ADJ, CERMET 500K
RV502	1-238-803-11	s RES, ADJ METAL 20K
RV503	1-238-785-21	s RES, ADJ, CERMET 2K
RV701	1-237-515-21	s RES, ADJ METAL 1K
RV803	1-238-800-11	s RES, ADJ METAL 2K
RV804	1-238-803-11	s RES, ADJ METAL 20K
X601	1-567-519-21	s CRYSTAL 4.194304MHZ
X602	1-567-346-11	s RESONATOR, CERAMIC

CN-551P BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	1-642-953-14	o PRINTED CIRCUIT BOARD, CN-551
C1	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C2	1-126-189-11	s ELECT 0.22uF 20% 50V
C3	1-126-191-11	s ELECT 0.47uF 20% 50V
C4	1-126-603-11	s ELECT 4.7uF 20% 35V
C5	1-163-275-11	s CERAMIC, CHIP 0.001uF 5% 50V
C6	1-163-275-11	s CERAMIC, CHIP 0.001uF 5% 50V
C7	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
CN331	1-506-481-11	s CONNECTOR, 2P, MALE
CN332	1-564-014-11	s CONNECTOR, 4P, MALE
CN333	1-506-484-11	s CONNECTOR, 5P, MALE
CN334	1-506-481-11	s CONNECTOR, 2P, MALE
CN335	1-506-477-11	s CONNECTOR, 12P, MALE
CN336	1-506-473-11	o CONNECTOR, 8P, MALE
CN337	1-506-475-11	s CONNECTOR, 10P, MALE
CN338	1-564-009-11	o CONNECTOR, 10P, MALE
CN339	1-506-476-11	s CONNECTOR, 11P, MALE
CN340	1-506-480-11	o CONNECTOR, 15P, MALE
CN341	1-506-483-21	s CONNECTOR, 4P, MALE
CN342	1-506-483-21	s CONNECTOR, 4P, MALE
CN343	1-565-211-11	o CONNECTOR, FPC (ZIF) 22P, FEMALE
CN344	1-566-527-11	s CONNECTOR, FPC (ZIF) 11P, FEMALE
CN345	1-566-531-11	s CONNECTOR, FPC (ZIF) 15P, FEMALE
CN346	1-564-014-11	s CONNECTOR, 4P, MALE
CN347	1-506-481-11	s CONNECTOR, 2P, MALE
CN348	1-506-471-11	s CONNECTOR, 6P, MALE
IC1	8-759-107-68	s IC CX20115A
IC2	8-759-701-97	s IC NJM4562M
R2	1-218-750-11	s METAL, CHIP 270K 0.50% 1/16W
R3	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R4	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R5	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R6	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R7	1-216-854-11	s METAL, CHIP 560K 5% 1/16W
R8	1-216-854-11	s METAL, CHIP 560K 5% 1/16W
R10	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R11	1-216-809-11	s METAL, CHIP 100 5% 1/16W
RV1	1-228-470-00	s RES, ADJ METAL 500

CP-176P BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	1-642-967-11	o PRINTED CIRCUIT BOARD, CP-176
1pc	3-683-631-01	o CLAMP
1pc	1-543-793-11	s FILTER, CLAMP (FERRITE CORE)
C1	1-161-772-11	s CERAMIC 0.1uF 10% 25V
CN1001	1-573-582-11	s CONNECTOR, BNC, FEMALE
CN1002	1-573-583-11	s CONNECTOR, BNC, FEMALE
CN1003	1-573-582-11	s CONNECTOR, BNC, FEMALE
CN1004	1-573-602-11	s CONNECTOR 8P (MONITOR), FEMALE
CN1005	1-691-273-11	s JACK, PIN 1P
CN1006	1-573-591-11	s CONNECTOR, CIRCULAR 7P, FEMALE
CN1008	1-695-195-11	s CONNECTOR, CIRCULAR 7P, MALE
CN1010	1-573-590-12	s CONNECTOR, CIRCULAR 4P, FEMALE
CN1011	1-573-590-12	s CONNECTOR, CIRCULAR 4P, FEMALE
R1	1-215-394-00	s METAL 75 1% 1/6W
R2	1-215-394-00	s METAL 75 1% 1/6W
R3	1-215-394-00	s METAL 75 1% 1/6W
R5	1-215-394-00	s METAL 75 1% 1/6W
R7	1-215-394-00	s METAL 75 1% 1/6W
R8	1-215-394-00	s METAL 75 1% 1/6W
S1	1-570-145-11	s SWITCH, SLIDE

CP-177 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	1-642-968-12	o PRINTED CIRCUIT BOARD, CP-177
1pc	3-683-631-01	o CLAMP
CN1051	1-573-594-11	s CONNECTOR, XLR 3P, FEMALE
CN1052	1-573-594-11	s CONNECTOR, XLR 3P, FEMALE
CN1053	1-573-594-11	s CONNECTOR, XLR 3P, FEMALE
CN1054	1-573-594-11	s CONNECTOR, XLR 3P, FEMALE
CN1055	1-573-593-11	s CONNECTOR, XLR 3P, MALE
CN1056	1-573-593-11	s CONNECTOR, XLR 3P, MALE
CN1057	1-573-593-11	s CONNECTOR, XLR 3P, MALE
CN1058	1-573-593-11	s CONNECTOR, XLR 3P, MALE
R1	1-249-415-11	s CARBON 680 5% 1/4W
R2	1-247-855-31	s CARBON 10K 5% 1/4W
R3	1-249-415-11	s CARBON 680 5% 1/4W
R4	1-247-855-31	s CARBON 10K 5% 1/4W
R5	1-249-415-11	s CARBON 680 5% 1/4W
R6	1-247-855-31	s CARBON 10K 5% 1/4W
R9	1-249-415-11	s CARBON 680 5% 1/4W
R10	1-247-855-31	s CARBON 10K 5% 1/4W
S1051	1-570-145-11	s SWITCH, SLIDE
S1052	1-570-145-11	s SWITCH, SLIDE

CR-40 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8276-234-A	o MOUNTED CIRCUIT BOARD, CR-40
C365	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C366	1-135-165-11	s TANTALUM 33uF 20% 16V
C367	1-135-165-11	s TANTALUM 33uF 20% 16V
C368	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C369	1-164-346-11	s CERAMIC 1uF 16V
C370	1-135-227-11	s TANTAL 100uF 20% 6.3V
C371	1-135-227-11	s TANTAL 100uF 20% 6.3V
C372	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C373	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C374	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C375	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C376	1-135-165-11	s TANTALUM 33uF 20% 16V
CN11	1-566-096-11	s CONNECTOR, BB 12P, MALE
IC23	8-759-030-55	s IC MC1496M
L87	1-408-785-21	s INDUCTOR CHIP 47uH
L88	1-408-785-21	s INDUCTOR CHIP 47uH
Q141	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q142	8-729-905-18	s TRANSISTOR DTC144EU
Q143	8-729-905-18	s TRANSISTOR DTC144EU
Q144	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
R464	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R465	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R466	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R467	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R468	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R469	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R470	1-218-289-11	s METAL, CHIP 510 5% 1/16W
R471	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R472	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R473	1-218-289-11	s METAL, CHIP 510 5% 1/16W
R474	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R475	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R476	1-218-272-11	s METAL, CHIP 5.1K 5% 1/16W
R477	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R478	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R479	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R480	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R709	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
RV18	1-241-262-11	s RES, ADJ, CERMET 2K
RV19	1-241-262-11	s RES, ADJ, CERMET 2K
RV20	1-241-262-11	s RES, ADJ, CERMET 2K
RV21	1-241-261-41	s RES, ADJ, CERMET 1K

CR-41 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8276-244-A	o MOUNTED CIRCUIT BOARD, CR-41
C422	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C423	1-135-165-11	s TANTALUM 33uF 20% 16V
C424	1-135-165-11	s TANTALUM 33uF 20% 16V
C425	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C427	1-135-227-11	s TANTAL 100uF 20% 6.3V
C428	1-135-227-11	s TANTAL 100uF 20% 6.3V
C429	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C430	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C431	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C432	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C433	1-135-165-11	s TANTALUM 33uF 20% 16V
C434	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C435	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
CN11	1-566-096-11	s CONNECTOR, BB 12P, MALE
CN12	1-566-096-11	s CONNECTOR, BB 12P, MALE
IC23	8-759-030-55	s IC MC1496M
IC29	8-759-030-55	s IC MC1496M
L96	1-410-389-31	s INDUCTOR CHIP 47uH
L97	1-410-389-31	s INDUCTOR CHIP 47uH
Q156	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q157	8-729-905-18	s TRANSISTOR DTC144EU
Q158	8-729-905-18	s TRANSISTOR DTC144EU
Q159	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q160	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q161	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
R528	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R529	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R530	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R531	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R532	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R533	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R534	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R535	1-218-289-11	s METAL, CHIP 510 5% 1/16W
R536	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R537	1-218-289-11	s METAL, CHIP 510 5% 1/16W
R538	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R539	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R540	1-218-272-11	s METAL, CHIP 5.1K 5% 1/16W
R541	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R542	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R543	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R544	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R545	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R546	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R547	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R548	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R707	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R708	1-216-809-11	s METAL, CHIP 100 5% 1/16W
RV23	1-241-262-11	s RES, ADJ, CERMET 2K
RV24	1-241-262-11	s RES, ADJ, CERMET 2K
RV25	1-241-262-11	s RES, ADJ, CERMET 2K
RV26	1-241-261-41	s RES, ADJ, CERMET 1K
RV27	1-241-261-41	s RES, ADJ, CERMET 1K

DC-57P BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	1-643-015-12	o PRINTED CIRCUIT BOARD, DC-57
2pcs	7-621-759-65	s SCREW +PSW 2.6x8
1pc	3-334-236-01	s SHEET, INSULATING
1pc	2-371-561-01	s BUSHING (P), INSULATING
1pc	7-682-947-01	s SCREW +PSW 3x6
C1	1-124-898-11	s ELECT 4700uF 20% 16V
C2	1-124-360-00	s ELECT 1000uF 20% 16V
C3	1-124-360-00	s ELECT 1000uF 20% 16V
C4	1-124-472-11	s ELECT 470uF 20% 10V
C5	1-161-055-00	s CERAMIC 0.022uF 10% 50V
C6	1-161-055-00	s CERAMIC 0.022uF 10% 50V
C7	1-124-477-11	s ELECT 47uF 20% 25V
C8	1-124-477-11	s ELECT 47uF 20% 25V
C9	1-126-939-11	s ELECT 10000uF 20% 10V
CN261	1-564-210-00	o CONNECTOR, IL-S 12P, MALE
CN262	1-564-706-11	o CONNECTOR, 4P, MALE
CN263	1-564-708-11	o CONNECTOR 6P, MALE
CN264	1-564-710-11	s PIN HEADER, STRAIGHT 8P
CN265	1-564-209-00	o CONNECTOR, IL-S 10P, MALE
D1	8-719-200-02	s DIODE 10E2
FB1	1-410-858-21	o INDUCTOR, MICRO SALL TYPE
FB2	1-410-858-21	o INDUCTOR, MICRO SALL TYPE
FB3	1-410-858-21	o INDUCTOR, MICRO SALL TYPE
IC1	8-759-701-75	s IC NJM7805FA
Q1	8-729-382-64	s TRANSISTOR 2SC1826-G
R1	1-215-907-11	s METAL, CHIP 22 10% 3W

DD-12 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-7061-772-A	o MOUNTED CIRCUIT BOARD, DD-12
1pc	1-535-699-11	s CABLE, JUMPER 23P
C301	1-124-472-11	s ELECT 470uF 20% 10V
CN751	1-506-489-11	o CONNECTOR 10P, MALE
CN752	1-506-491-11	o CONNECTOR, 12P, MALE
D1	8-719-911-19	s DIODE 1SS119
D321	8-719-911-19	s DIODE 1SS119
IC2	8-759-645-16	s IC M54516P
IC3	8-759-645-16	s IC M54516P
Q308	8-729-903-02	s TRANSISTOR DTA143XS
Q309	8-729-903-02	s TRANSISTOR DTA143XS
Q310	8-729-903-02	s TRANSISTOR DTA143XS
Q311	8-729-903-02	s TRANSISTOR DTA143XS
Q312	8-729-903-02	s TRANSISTOR DTA143XS
Q313	8-729-903-02	s TRANSISTOR DTA143XS
Q314	8-729-903-02	s TRANSISTOR DTA143XS
R366	1-249-402-11	s CARBON 56 5% 1/4W
R367	1-249-402-11	s CARBON 56 5% 1/4W
R368	1-249-402-11	s CARBON 56 5% 1/4W
R369	1-249-402-11	s CARBON 56 5% 1/4W
R370	1-249-402-11	s CARBON 56 5% 1/4W
R371	1-249-402-11	s CARBON 56 5% 1/4W
R372	1-249-402-11	s CARBON 56 5% 1/4W
S1009	1-516-995-00	s SWITCH, LEVER SLIDE
S1010	1-552-539-00	s SWITCH, TACTILE

DM-92 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8271-856-A	o MOUNTED CIRCUIT BOARD, DM-92
2pcs	2-251-622-11	s LEVER, PC BOARD
5pcs	1-623-599-11	o PRINTED CIRCUIT BOARD, DUS-194
C1	1-124-916-11	s ELECT 22uF 20% 63V
C2	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C3	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C5	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C7	1-163-127-00	s CERAMIC, CHIP 270PF 5% 50V
C8	1-163-239-11	s CERAMIC, CHIP 33PF 5% 50V
C9	1-163-145-00	s CERAMIC, CHIP 0.0015uF 5% 50V
C10	1-163-127-00	s CERAMIC, CHIP 270PF 5% 50V
C12	1-163-235-11	s CERAMIC, CHIP 22PF 5% 50V
C13	1-163-241-11	s CERAMIC, CHIP 39PF 5% 50V
C14	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C15	1-163-257-11	s CERAMIC, CHIP 180PF 5% 50V
C16	1-163-241-11	s CERAMIC, CHIP 39PF 5% 50V
C17	1-163-245-11	s CERAMIC 56PF 5% 50V
C18	1-163-245-11	s CERAMIC 56PF 5% 50V
C19	1-163-243-11	s CERAMIC, CHIP 47PF 5% 50V
C20	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C33	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C34	1-126-964-11	s ELECT 10uF 20% 50V
C35	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C36	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C39	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C43	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C54	1-162-999-11	s CERAMIC, CHIP 91PF 5% 50V
C60	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C75	1-163-227-11	s CERAMIC, CHIP 10PF 5% 50V
C76	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C77	1-163-243-11	s CERAMIC, CHIP 47PF 5% 50V
C78	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C79	1-163-089-00	s CERAMIC, CHIP 6PF 50V
C80	1-163-235-11	s CERAMIC, CHIP 22PF 5% 50V
C81	1-163-113-00	s CERAMIC, CHIP 68PF 5% 50V
C82	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C83	1-126-947-11	s ELECT 47uF 20% 35V
C84	1-163-224-91	s CERAMIC, CHIP 7PF 0.25PF 50V
C85	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C86	1-163-227-11	s CERAMIC, CHIP 10PF 5% 50V
C88	1-163-234-11	s CERAMIC, CHIP 20PF 5% 50V
C89	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C90	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C91	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C92	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C93	1-163-037-91	s CERAMIC, CHIP 0.022uF 10% 25V
C94	1-163-227-11	s CERAMIC, CHIP 10PF 5% 50V
C96	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C97	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C98	1-163-087-00	s CERAMIC, CHIP 4PF 50V
C99	1-163-099-00	s CERAMIC, CHIP 18PF 5% 50V
C100	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C101	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C111	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C145	1-163-115-00	s CERAMIC, CHIP 82PF 5% 50V
C146	1-126-947-11	s ELECT 47uF 20% 35V
C148	1-163-091-00	s CERAMIC, CHIP 8PF 50V
C149	1-163-094-00	s CERAMIC, CHIP 11PF 5% 50V

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Ref. No. or Q'ty	Part No.	SP Description
C150	1-163-239-11	s CERAMIC, CHIP 33PF 5% 50V
C151	1-163-239-11	s CERAMIC, CHIP 33PF 5% 50V
C152	1-126-947-11	s ELECT 47uF 20% 35V
C153	1-126-947-11	s ELECT 47uF 20% 35V
C154	1-126-947-11	s ELECT 47uF 20% 35V
C155	1-128-057-11	s ELECT 330uF 20% 6.3V
C156	1-128-057-11	s ELECT 330uF 20% 6.3V
C157	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C158	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C159	1-126-947-11	s ELECT 47uF 20% 35V
C160	1-126-947-11	s ELECT 47uF 20% 35V
C161	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C162	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C163	1-163-237-11	s CERAMIC, CHIP 27PF 5% 50V
C166	1-163-091-00	s CERAMIC, CHIP 8PF 50V
C167	1-163-097-00	s CERAMIC, CHIP 15PF 5% 50V
C168	1-163-239-11	s CERAMIC, CHIP 33PF 5% 50V
C169	1-163-113-00	s CERAMIC, CHIP 68PF 5% 50V
C170	1-163-094-00	s CERAMIC, CHIP 11PF 5% 50V
C171	1-163-096-00	s CERAMIC, CHIP 13PF 5% 50V
C172	1-163-239-11	s CERAMIC, CHIP 33PF 5% 50V
C173	1-163-113-00	s CERAMIC, CHIP 68PF 5% 50V
C174	1-126-947-11	s ELECT 47uF 20% 35V
C175	1-126-947-11	s ELECT 47uF 20% 35V
C176	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C177	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C178	1-128-057-11	s ELECT 330uF 20% 6.3V
C179	1-128-057-11	s ELECT 330uF 20% 6.3V
C199	1-126-947-11	s ELECT 47uF 20% 35V
C200	1-126-964-11	s ELECT 10uF 20% 50V
C201	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C202	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C203	1-126-933-11	s ELECT 100uF 20% 16V
C204	1-126-933-11	s ELECT 100uF 20% 16V
C228	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C229	1-126-947-11	s ELECT 47uF 20% 35V
C230	1-164-346-11	s CERAMIC 1uF 16V
C231	1-126-947-11	s ELECT 47uF 20% 35V
C232	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C233	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C234	1-126-947-11	s ELECT 47uF 20% 35V
C235	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C236	1-126-947-11	s ELECT 47uF 20% 35V
C237	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C238	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C239	1-126-964-11	s ELECT 10uF 20% 50V
C240	1-163-243-11	s CERAMIC, CHIP 47PF 5% 50V
C241	1-163-239-11	s CERAMIC, CHIP 33PF 5% 50V
C242	1-126-964-11	s ELECT 10uF 20% 50V
C243	1-164-346-11	s CERAMIC 1uF 16V
C244	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C245	1-126-947-11	s ELECT 47uF 20% 35V
C246	1-126-947-11	s ELECT 47uF 20% 35V
C247	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C248	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C249	1-126-947-11	s ELECT 47uF 20% 35V
C250	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C251	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C252	1-126-964-11	s ELECT 10uF 20% 50V

(DM-92 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C253	1-163-239-11	s CERAMIC, CHIP 33PF 5% 50V
C254	1-126-964-11	s ELECT 10uF 20% 50V
C255	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C256	1-126-947-11	s ELECT 47uF 20% 35V
C257	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C258	1-164-005-11	s CERAMIC, CHIP 0.47uF 25V
C259	1-130-489-00	s MYLAR 0.033uF 5% 50V
C260	1-135-159-21	s TANTALUM, CHIP 10uF 10% 20V
C261	1-163-137-00	s CERAMIC, CHIP 680PF 5% 50V
C262	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C263	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C264	1-126-933-11	s ELECT 100uF 20% 16V
C265	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C266	1-126-933-11	s ELECT 100uF 20% 16V
C267	1-126-933-11	s ELECT 100uF 20% 16V
C268	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C269	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C270	1-135-159-21	s TANTALUM, CHIP 10uF 10% 20V
C271	1-164-491-11	s CERAMIC 300PF 5% 50V
C273	1-163-263-91	s CERAMIC, CHIP 330PF 5% 50V
C274	1-163-131-00	s CERAMIC, CHIP 390PF 5% 50V
C275	1-163-239-11	s CERAMIC, CHIP 33PF 5% 50V
C276	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C277	1-135-091-00	s TANTALUM, CHIP 1uF 10% 16V
C278	1-135-159-21	s TANTALUM, CHIP 10uF 10% 20V
C279	1-126-964-11	s ELECT 10uF 20% 50V
C280	1-164-005-11	s CERAMIC, CHIP 0.47uF 25V
C281	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C282	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C283	1-126-933-11	s ELECT 100uF 20% 16V
C284	1-126-964-11	s ELECT 10uF 20% 50V
C285	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C286	1-124-916-11	s ELECT 22uF 20% 63V
C287	1-124-916-11	s ELECT 22uF 20% 63V
C288	1-128-057-11	s ELECT 330uF 20% 6.3V
C289	1-128-057-11	s ELECT 330uF 20% 6.3V
C290	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C291	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C309	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C310	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C311	1-163-239-11	s CERAMIC, CHIP 33PF 5% 50V
C312	1-126-947-11	s ELECT 47uF 20% 35V
C317	1-163-253-11	s CERAMIC, CHIP 120PF 5% 50V
C325	1-126-947-11	s ELECT 47uF 20% 35V
C326	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C327	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C328	1-126-947-11	s ELECT 47uF 20% 35V
C329	1-126-947-11	s ELECT 47uF 20% 35V
C330	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C331	1-163-014-00	s CERAMIC 0.0027uF 10% 50V
C332	1-163-097-00	s CERAMIC, CHIP 15PF 5% 50V
C333	1-126-964-11	s ELECT 10uF 20% 50V
C334	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C335	1-163-118-00	s CERAMIC, CHIP 110PF 5% 50V
C336	1-163-275-11	s CERAMIC, CHIP 0.001uF 5% 50V
C337	1-135-091-00	s TANTALUM, CHIP 1uF 10% 16V
C338	1-124-925-11	s ELECT 2.2uF 20% 100V
C339	1-163-275-11	s CERAMIC, CHIP 0.001uF 5% 50V
C340	1-163-275-11	s CERAMIC, CHIP 0.001uF 5% 50V

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Ref. No. or Q'ty	Part No.	SP Description
C341	1-126-963-11	s ELECT 4.7uF 20% 50V
C342	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C343	1-163-131-00	s CERAMIC, CHIP 390PF 5% 50V
C344	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C345	1-163-222-11	s CERAMIC, CHIP 5PF 50V
C346	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C347	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C348	1-126-947-11	s ELECT 47uF 20% 35V
C349	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C350	1-126-966-11	s ELECT 33uF 20% 50V
C351	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C352	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C353	1-126-964-11	s ELECT 10uF 20% 50V
C354	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C355	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C356	1-163-113-00	s CERAMIC, CHIP 68PF 5% 50V
C357	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C358	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C359	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C360	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C361	1-163-275-11	s CERAMIC, CHIP 0.001uF 5% 50V
C362	1-163-275-11	s CERAMIC, CHIP 0.001uF 5% 50V
C363	1-126-947-11	s ELECT 47uF 20% 35V
C364	1-126-947-11	s ELECT 47uF 20% 35V
C378	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C379	1-163-121-00	s CERAMIC, CHIP 150PF 5% 50V
C380	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C381	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C382	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C383	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C385	1-163-099-00	s CERAMIC, CHIP 18PF 5% 50V
C386	1-126-947-11	s ELECT 47uF 20% 35V
C387	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C388	1-163-243-11	s CERAMIC, CHIP 47PF 5% 50V
C389	1-126-964-11	s ELECT 10uF 20% 50V
C390	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C391	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C392	1-126-947-11	s ELECT 47uF 20% 35V
C395	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C396	1-163-227-11	s CERAMIC, CHIP 10PF 5% 50V
C397	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C398	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C399	1-163-235-11	s CERAMIC, CHIP 22PF 5% 50V
C400	1-124-903-11	s ELECT 1uF 20% 50V
C401	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C402	1-126-947-11	s ELECT 47uF 20% 35V
C403	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C404	1-163-037-91	s CERAMIC, CHIP 0.022uF 10% 25V
C405	1-163-019-00	s CERAMIC, CHIP 0.0068uF 10% 50V
C407	1-135-176-21	s TANTALUM, CHIP 0.68uF 20% 35V
C408	1-135-091-00	s TANTALUM, CHIP 1uF 10% 16V
C409	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C410	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C412	1-126-947-11	s ELECT 47uF 20% 35V
C413	1-126-947-11	s ELECT 47uF 20% 35V
C414	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C415	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C416	1-126-947-11	s ELECT 47uF 20% 35V
C417	1-164-232-11	s CERAMIC 0.01uF 10% 100V

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Ref. No. or Q'ty	Part No.	SP Description
C418	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C419	1-126-947-11	s ELECT 47uF 20% 35V
C420	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C421	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C435	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C437	1-126-947-11	s ELECT 47uF 20% 35V
C438	1-126-947-11	s ELECT 47uF 20% 35V
C439	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C440	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C441	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C442	1-163-243-11	s CERAMIC, CHIP 47PF 5% 50V
C455	1-163-135-00	s CERAMIC, CHIP 560PF 5% 50V
C611	1-163-275-11	s CERAMIC, CHIP 0.001uF 5% 50V
C612	1-163-275-11	s CERAMIC, CHIP 0.001uF 5% 50V
C613	1-163-234-11	s CERAMIC, CHIP 20PF 5% 50V
C614	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C705	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C706	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C707	1-163-243-11	s CERAMIC, CHIP 47PF 5% 50V
C708	1-126-947-11	s ELECT 47uF 20% 35V
C709	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C710	1-126-947-11	s ELECT 47uF 20% 35V
C711	1-163-243-11	s CERAMIC, CHIP 47PF 5% 50V
C712	1-128-057-11	s ELECT 330uF 20% 6.3V
C713	1-128-057-11	s ELECT 330uF 20% 6.3V
C714	1-128-057-11	s ELECT 330uF 20% 6.3V
C715	1-128-057-11	s ELECT 330uF 20% 6.3V
C717	1-163-239-11	s CERAMIC, CHIP 33PF 5% 50V
C718	1-163-243-11	s CERAMIC, CHIP 47PF 5% 50V
C719	1-163-275-11	s CERAMIC, CHIP 0.001uF 5% 50V
C720	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C721	1-124-916-11	s ELECT 22uF 20% 63V
C722	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C723	1-124-916-11	s ELECT 22uF 20% 63V
C724	1-163-017-00	s CERAMIC, CHIP 0.0047uF 5% 50V
C725	1-135-227-11	s TANTAL 100uF 20% 6.3V
C728	1-163-099-00	s CERAMIC, CHIP 18PF 5% 50V
C729	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C801	1-163-037-91	s CERAMIC, CHIP 0.022uF 10% 25V
C802	1-163-141-00	s CERAMIC, CHIP 0.001uF 5% 50V
C900	1-163-037-91	s CERAMIC, CHIP 0.022uF 10% 25V
C901	1-123-382-00	s ELECT 3.3uF 20% 100V
C902	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
C903	1-164-695-11	s CERAMIC, CHIP 0.0022uF 5% 50V
C904	1-163-133-00	s CERAMIC, CHIP 470PF 5% 50V
C905	1-163-037-91	s CERAMIC, CHIP 0.022uF 10% 25V
C906	1-163-099-00	s CERAMIC, CHIP 18PF 5% 50V
C907	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C912	1-126-933-11	s ELECT 100uF 20% 16V
C916	1-126-157-11	s ELECT 10uF 20% 16V
C917	1-107-206-00	s MICA 15PF 5% 500V
CN11	1-566-096-11	s CONNECTOR, BB 12P, MALE
CN607	1-573-782-21	o CONNECTOR, PHEC 60P, MALE
CN608	1-573-782-21	o CONNECTOR, PHEC 60P, MALE
CT3	1-141-345-11	s CAP, TRIMMER 40PF
D1	8-719-941-86	s DIODE DAN202U
D2	8-719-941-86	s DIODE DAN202U

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Ref. No. or Q'ty	Part No.	SP Description
D5	8-719-941-86	s DIODE DAN202U
D6	8-719-800-76	s DIODE 1SS226
D7	8-719-800-76	s DIODE 1SS226
D8	8-719-941-86	s DIODE DAN202U
D12	8-719-941-86	s DIODE DAN202U
D13	8-719-941-86	s DIODE DAN202U
D14	8-719-941-86	s DIODE DAN202U
D15	8-719-941-86	s DIODE DAN202U
D611	8-719-941-86	s DIODE DAN202U
D612	8-719-941-86	s DIODE DAN202U
D701	8-719-941-86	s DIODE DAN202U
D702	8-719-941-09	s DIODE DAP202U
D704	8-719-941-86	s DIODE DAN202U
D705	8-719-941-86	s DIODE DAN202U
D706	8-719-941-86	s DIODE DAN202U
D707	8-719-941-86	s DIODE DAN202U
D800	8-719-941-86	s DIODE DAN202U
D801	8-719-941-86	s DIODE DAN202U
D802	8-719-104-10	s DIODE 1SS99
D803	8-719-104-10	s DIODE 1SS99
D804	8-719-941-86	s DIODE DAN202U
D805	8-719-941-86	s DIODE DAN202U
DL1	1-415-403-21	s DELAY LINE 1us
FL2	1-236-848-21	s FILTER, LOW PASS 5.0MHz
FL3	1-239-010-11	s FILTER, LOW PASS (CCD.PAL.Y)
FL5	1-236-774-11	s FILTER, LOW-PASS (Y)
FL6	1-236-850-21	s FILTER, BAND PASS 4.43MHz
FL7	1-236-849-21	s FILTER, BAND PASS 4.43MHz
FL8	1-577-162-11	s FILTER, CERAMIC 5.17MHz
FL9	1-236-186-11	s FILTER, BAND PASS 4.43MHz
IC3	8-759-998-32	s IC CXD2107M
IC5	8-759-925-60	s IC BA401
IC6	8-759-710-86	s IC NJM2233BM
IC9	8-759-710-86	s IC NJM2233BM
IC10	8-759-710-86	s IC NJM2233BM
IC12	8-752-015-81	s IC CX20158
IC15	8-752-333-24	s IC CXL1506M
IC16	8-752-333-24	s IC CXL1506M
IC17	8-752-054-62	s IC CXA1207AR
IC19	8-759-239-34	s IC TC74HC4538AF
IC20	8-759-605-61	s IC CXA1203N
IC21	8-759-710-86	s IC NJM2233BM
IC22	8-759-969-13	s IC SN16913P
IC24	8-759-710-86	s IC NJM2233BM
IC25	8-752-051-40	s IC CXA1208R
IC26	8-759-925-74	s IC TC74HC04NS
IC27	8-759-708-05	s IC NJM78L05A
IC28	8-759-700-65	s IC NJM79L05A
IC31	8-759-925-74	s IC TC74HC04NS
IC611	8-759-009-51	s IC MC14538BF
IC612	8-759-009-51	s IC MC14538BF
IC701	8-759-710-86	s IC NJM2233BM
IC702	8-759-925-90	s IC SN74HC74NS
IC800	8-759-206-28	s IC TC74HC123F
L1	1-408-785-21	s INDUCTOR CHIP 47uH
L2	1-410-387-11	s INDUCTOR, CHIP 33uH
L3	1-412-280-31	s INDUCTOR CHIP 330uH

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Ref. No. or Q'ty	Part No.	SP Description
L4	1-410-167-41	s INDUCTOR CHIP 820uH
L5	1-410-657-21	s INDUCTOR, CHIP 180uH
L6	1-410-387-11	s INDUCTOR, CHIP 33uH
L7	1-410-374-11	s INDUCTOR, CHIP 2.7uH
L8	1-410-381-11	s INDUCTOR CHIP 10uH
L9	1-410-378-11	s INDUCTOR, CHIP 5.6uH
L10	1-410-379-31	s INDUCTOR CHIP 6.8uH
L12	1-408-785-21	s INDUCTOR CHIP 47uH
L25	1-410-381-11	s INDUCTOR CHIP 10uH
L26	1-410-383-31	s INDUCTOR, CHIP 15uH
L27	1-408-785-21	s INDUCTOR CHIP 47uH
L28	1-410-384-31	s INDUCTOR CHIP 18uH
L29	1-412-282-41	s INDUCTOR, CHIP 470uH
L30	1-412-282-41	s INDUCTOR, CHIP 470uH
L31	1-410-384-31	s INDUCTOR CHIP 18uH
L42	1-410-385-41	s INDUCTOR CHIP 22uH
L43	1-410-385-41	s INDUCTOR CHIP 22uH
L44	1-408-785-21	s INDUCTOR CHIP 47uH
L45	1-408-785-21	s INDUCTOR CHIP 47uH
L46	1-410-381-11	s INDUCTOR CHIP 10uH
L47	1-410-384-31	s INDUCTOR CHIP 18uH
L48	1-408-785-21	s INDUCTOR CHIP 47uH
L49	1-408-785-21	s INDUCTOR CHIP 47uH
L56	1-408-785-21	s INDUCTOR CHIP 47uH
L57	1-408-785-21	s INDUCTOR CHIP 47uH
L61	1-408-785-21	s INDUCTOR CHIP 47uH
L62	1-408-777-00	s INDUCTOR, CHIP 10uH
L63	1-408-777-00	s INDUCTOR, CHIP 10uH
L64	1-408-777-00	s INDUCTOR, CHIP 10uH
L65	1-408-777-00	s INDUCTOR, CHIP 10uH
L66	1-408-785-21	s INDUCTOR CHIP 47uH
L67	1-408-785-21	s INDUCTOR CHIP 47uH
L68	1-410-379-31	s INDUCTOR CHIP 6.8uH
L69	1-408-785-21	s INDUCTOR CHIP 47uH
L70	1-408-785-21	s INDUCTOR CHIP 47uH
L80	1-408-785-21	s INDUCTOR CHIP 47uH
L81	1-408-785-21	s INDUCTOR CHIP 47uH
L82	1-408-785-21	s INDUCTOR CHIP 47uH
L83	1-408-785-21	s INDUCTOR CHIP 47uH
L84	1-408-785-21	s INDUCTOR CHIP 47uH
L85	1-412-282-41	s INDUCTOR, CHIP 470uH
L86	1-410-384-31	s INDUCTOR CHIP 18uH
L89	1-408-789-21	s INDUCTOR CHIP 100uH
L90	1-410-388-21	s INDUCTOR, CHIP 39uH
L91	1-410-385-41	s INDUCTOR CHIP 22uH
L92	1-410-386-11	s INDUCTOR, CHIP 27uH
L93	1-408-789-21	s INDUCTOR CHIP 100uH
L94	1-408-785-21	s INDUCTOR CHIP 47uH
L95	1-408-785-21	s INDUCTOR CHIP 47uH
L98	1-408-785-21	s INDUCTOR CHIP 47uH
L99	1-408-785-21	s INDUCTOR CHIP 47uH
L611	1-410-387-11	s INDUCTOR, CHIP 33uH
L702	1-408-785-21	s INDUCTOR CHIP 47uH
L703	1-408-785-21	s INDUCTOR CHIP 47uH
L704	1-408-785-21	s INDUCTOR CHIP 47uH
L705	1-408-785-21	s INDUCTOR CHIP 47uH
L706	1-408-785-21	s INDUCTOR CHIP 47uH
L707	1-408-785-21	s INDUCTOR CHIP 47uH
L708	1-408-785-21	s INDUCTOR CHIP 47uH

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Ref. No. or Q'ty	Part No.	SP Description
L709	1-410-655-31	s INDUCTOR, CHIP 120uH
L710	1-408-789-21	s INDUCTOR CHIP 100uH
L711	1-408-413-00	s INDUCTOR 22uH
Q1	8-729-102-07	s TRANSISTOR 2SC2223-F13
Q2	8-729-102-07	s TRANSISTOR 2SC2223-F13
Q3	8-729-102-07	s TRANSISTOR 2SC2223-F13
Q4	8-729-102-07	s TRANSISTOR 2SC2223-F13
Q5	8-729-102-07	s TRANSISTOR 2SC2223-F13
Q6	8-729-905-18	s TRANSISTOR DTC144EU
Q7	8-729-102-07	s TRANSISTOR 2SC2223-F13
Q8	8-729-905-18	s TRANSISTOR DTC144EU
Q9	8-729-905-12	s TRANSISTOR DTA144EU
Q10	8-729-102-07	s TRANSISTOR 2SC2223-F13
Q11	8-729-905-18	s TRANSISTOR DTC144EU
Q12	8-729-201-05	s TRANSISTOR 2SC2878-B
Q13	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q14	8-729-905-12	s TRANSISTOR DTA144EU
Q15	8-729-905-18	s TRANSISTOR DTC144EU
Q16	8-729-905-12	s TRANSISTOR DTA144EU
Q17	8-729-905-18	s TRANSISTOR DTC144EU
Q18	8-729-905-12	s TRANSISTOR DTA144EU
Q19	8-729-905-18	s TRANSISTOR DTC144EU
Q20	8-729-905-12	s TRANSISTOR DTA144EU
Q21	8-729-905-18	s TRANSISTOR DTC144EU
Q22	8-729-905-12	s TRANSISTOR DTA144EU
Q23	8-729-905-18	s TRANSISTOR DTC144EU
Q24	8-729-905-12	s TRANSISTOR DTA144EU
Q25	8-729-905-18	s TRANSISTOR DTC144EU
Q46	8-729-202-38	s TRANSISTOR 2SC3326N
Q48	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q49	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q50	8-729-905-12	s TRANSISTOR DTA144EU
Q51	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q52	8-729-905-18	s TRANSISTOR DTC144EU
Q53	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q54	8-729-903-10	s TRANSISTOR FMW1
Q55	8-729-903-97	s TRANSISTOR FMS1FE
Q56	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q57	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q58	8-729-903-10	s TRANSISTOR FMW1
Q70	8-729-202-38	s TRANSISTOR 2SC3326N
Q71	8-729-230-49	s TRANSISTOR 2SC2712-YG
Q72	8-729-102-07	s TRANSISTOR 2SC2223-F13
Q73	8-729-102-07	s TRANSISTOR 2SC2223-F13
Q74	8-729-102-07	s TRANSISTOR 2SC2223-F13
Q75	8-729-102-07	s TRANSISTOR 2SC2223-F13
Q76	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q77	8-729-230-49	s TRANSISTOR 2SC2712-YG
Q78	8-729-102-07	s TRANSISTOR 2SC2223-F13
Q80	8-729-102-07	s TRANSISTOR 2SC2223-F13
Q81	8-729-102-07	s TRANSISTOR 2SC2223-F13
Q82	8-729-905-24	s TRANSISTOR 2SA1576-S
Q83	8-729-905-24	s TRANSISTOR 2SA1576-S
Q84	8-729-230-49	s TRANSISTOR 2SC2712-YG
Q101	8-729-905-24	s TRANSISTOR 2SA1576-S
Q102	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q103	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q104	8-729-905-18	s TRANSISTOR DTC144EU

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Ref. No. or Q'ty	Part No.	SP Description
Q105	8-729-905-24	s TRANSISTOR 2SA1576-S
Q106	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q107	8-729-905-18	s TRANSISTOR DTC144EU
Q108	8-729-202-38	s TRANSISTOR 2SC3326N
Q109	8-729-202-38	s TRANSISTOR 2SC3326N
Q110	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q111	8-729-905-18	s TRANSISTOR DTC144EU
Q112	8-729-102-07	s TRANSISTOR 2SC2223-F13
Q113	8-729-102-07	s TRANSISTOR 2SC2223-F13
Q122	8-729-102-07	s TRANSISTOR 2SC2223-F13
Q131	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q132	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q133	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q134	8-729-905-18	s TRANSISTOR DTC144EU
Q135	8-729-905-18	s TRANSISTOR DTC144EU
Q136	8-729-905-12	s TRANSISTOR DTA144EU
Q137	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q138	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q139	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q140	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q145	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q146	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q148	8-729-230-49	s TRANSISTOR 2SC2712-YG
Q149	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q150	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q151	8-729-230-49	s TRANSISTOR 2SC2712-YG
Q152	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q154	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q162	8-729-102-07	s TRANSISTOR 2SC2223-F13
Q163	8-729-102-07	s TRANSISTOR 2SC2223-F13
Q164	8-729-102-07	s TRANSISTOR 2SC2223-F13
Q165	8-729-102-07	s TRANSISTOR 2SC2223-F13
Q166	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q167	8-729-905-18	s TRANSISTOR DTC144EU
Q175	8-729-905-12	s TRANSISTOR DTA144EU
Q176	8-729-905-18	s TRANSISTOR DTC144EU
Q611	8-729-905-18	s TRANSISTOR DTC144EU
Q612	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q701	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q703	8-729-905-12	s TRANSISTOR DTA144EU
Q704	8-729-202-38	s TRANSISTOR 2SC3326N
Q706	8-729-905-12	s TRANSISTOR DTA144EU
Q707	8-729-905-18	s TRANSISTOR DTC144EU
Q800	8-729-905-18	s TRANSISTOR DTC144EU
Q801	8-729-202-38	s TRANSISTOR 2SC3326N
Q802	8-729-202-38	s TRANSISTOR 2SC3326N
Q803	8-729-202-38	s TRANSISTOR 2SC3326N
Q804	8-729-905-18	s TRANSISTOR DTC144EU
Q805	8-729-905-12	s TRANSISTOR DTA144EU
Q806	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q807	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q809	8-729-905-12	s TRANSISTOR DTA144EU
Q810	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q811	8-729-905-18	s TRANSISTOR DTC144EU
Q812	8-729-905-18	s TRANSISTOR DTC144EU
Q813	8-729-905-18	s TRANSISTOR DTC144EU
Q815	8-729-905-18	s TRANSISTOR DTC144EU
Q816	8-729-905-18	s TRANSISTOR DTC144EU
Q817	8-729-202-38	s TRANSISTOR 2SC3326N

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Ref. No. or Q'ty	Part No.	SP Description
Q818	8-729-905-18	s TRANSISTOR DTC144EU
Q819	8-729-901-01	s TRANSISTOR DTC144EK
Q820	8-729-901-01	s TRANSISTOR DTC144EK
Q821	8-729-202-38	s TRANSISTOR 2SC3326N
R1	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R2	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R3	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R5	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R6	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R7	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R8	1-216-631-11	s METAL, CHIP 150 0.5% 1/10W
R9	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R10	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R11	1-216-055-00	s METAL, CHIP 1.8K 5% 1/10W
R12	1-216-641-11	s METAL, CHIP 390 0.5% 1/10W
R13	1-216-633-11	s METAL, CHIP 180 0.5% 1/10W
R14	1-216-295-00	s METAL, CHIP 0
R15	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R16	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R17	1-216-041-00	s METAL, CHIP 470 5% 1/10W
R18	1-216-041-00	s METAL, CHIP 470 5% 1/10W
R19	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R20	1-216-041-00	s METAL, CHIP 470 5% 1/10W
R21	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R22	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R23	1-216-652-11	s METAL, CHIP 1.1K 0.5% 1/10W
R24	1-216-643-11	s METAL, CHIP 470 0.5% 1/10W
R25	1-216-643-11	s METAL, CHIP 470 0.5% 1/10W
R26	1-216-630-11	s METAL, CHIP 130 0.5% 1/10W
R27	1-216-637-11	s METAL, CHIP 270 0.5% 1/10W
R28	1-216-055-00	s METAL, CHIP 1.8K 5% 1/10W
R29	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R30	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R31	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R44	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R45	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R46	1-216-295-00	s METAL, CHIP 0
R48	1-216-047-00	s METAL, CHIP 820 5% 1/10W
R49	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R50	1-216-037-00	s METAL, CHIP 330 5% 1/10W
R51	1-216-037-00	s METAL, CHIP 330 5% 1/10W
R52	1-216-037-00	s METAL, CHIP 330 5% 1/10W
R53	1-216-037-00	s METAL, CHIP 330 5% 1/10W
R54	1-216-037-00	s METAL, CHIP 330 5% 1/10W
R55	1-216-037-00	s METAL, CHIP 330 5% 1/10W
R105	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R106	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R107	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R108	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R109	1-216-051-00	s METAL, CHIP 1.2K 5% 1/10W
R110	1-216-637-11	s METAL, CHIP 270 0.5% 1/10W
R111	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R112	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R113	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R114	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R115	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R116	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R117	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R118	1-216-648-11	s METAL, CHIP 750 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP Description
R119	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R120	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R121	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R122	1-216-037-00	s METAL, CHIP 330 5% 1/10W
R123	1-216-035-00	s METAL, CHIP 270 5% 1/10W
R125	1-216-631-11	s METAL, CHIP 150 0.5% 1/10W
R128	1-216-077-00	s METAL, CHIP 15K 5% 1/10W
R130	1-216-653-11	s METAL, CHIP 1.2K 0.5% 1/10W
R131	1-216-041-00	s METAL, CHIP 470 5% 1/10W
R132	1-216-069-00	s METAL, CHIP 6.8K 5% 1/10W
R133	1-216-061-00	s METAL, CHIP 3.3K 5% 1/10W
R134	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R135	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R136	1-216-621-11	s METAL, CHIP 56 0.5% 1/10W
R137	1-216-639-11	s METAL, CHIP 330 0.5% 1/10W
R138	1-216-649-11	s METAL, CHIP 820 0.5% 1/10W
R139	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R140	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R141	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R142	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R143	1-216-069-00	s METAL, CHIP 6.8K 5% 1/10W
R144	1-216-083-00	s METAL, CHIP 27K 5% 1/10W
R198	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R199	1-216-643-11	s METAL, CHIP 470 0.5% 1/10W
R200	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R201	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R202	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R205	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R206	1-216-053-00	s METAL, CHIP 1.5K 5% 1/10W
R207	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R208	1-216-644-11	s METAL, CHIP 510 0.5% 1/10W
R209	1-216-665-11	s METAL, CHIP 3.9K 0.5% 1/10W
R210	1-216-610-11	s METAL, CHIP 20 0.50% 1/10W
R211	1-216-041-00	s METAL, CHIP 470 5% 1/10W
R212	1-216-644-11	s METAL, CHIP 510 0.5% 1/10W
R213	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R214	1-216-041-00	s METAL, CHIP 470 5% 1/10W
R215	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R217	1-216-616-11	s METAL, CHIP 36 0.50% 1/10W
R218	1-216-617-11	s METAL, CHIP 39 0.50% 1/10W
R219	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R220	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R221	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R222	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R223	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R224	1-216-037-00	s METAL, CHIP 330 5% 1/10W
R225	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R227	1-216-053-00	s METAL, CHIP 1.5K 5% 1/10W
R229	1-216-061-00	s METAL, CHIP 3.3K 5% 1/10W
R230	1-216-061-00	s METAL, CHIP 3.3K 5% 1/10W
R231	1-216-644-11	s METAL, CHIP 510 0.5% 1/10W
R232	1-216-644-11	s METAL, CHIP 510 0.5% 1/10W
R233	1-216-665-11	s METAL, CHIP 3.9K 0.5% 1/10W
R234	1-216-672-91	s METAL, CHIP 7.5K 0.50% 1/10W
R235	1-216-644-11	s METAL, CHIP 510 0.5% 1/10W
R236	1-216-644-11	s METAL, CHIP 510 0.5% 1/10W
R237	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R238	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R240	1-216-061-00	s METAL, CHIP 3.3K 5% 1/10W

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Ref. No. or Q'ty	Part No.	SP Description
R241	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R262	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R263	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R264	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R265	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R266	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R268	1-216-013-00	s METAL, CHIP 33 5% 1/10W
R299	1-216-121-00	s METAL, CHIP 1M 5% 1/10W
R300	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R301	1-216-095-00	s METAL, CHIP 82K 5% 1/10W
R303	1-216-085-00	s METAL, CHIP 33K 5% 1/10W
R304	1-216-091-00	s METAL, CHIP 56K 5% 1/10W
R305	1-216-649-11	s METAL, CHIP 820 0.5% 1/10W
R306	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R307	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R308	1-216-659-11	s METAL, CHIP 2.2K 0.5% 1/10W
R309	1-216-659-11	s METAL, CHIP 2.2K 0.5% 1/10W
R310	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R311	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R312	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R313	1-216-113-00	s METAL, CHIP 470K 5% 1/10W
R314	1-216-121-00	s METAL, CHIP 1M 5% 1/10W
R315	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R316	1-216-095-00	s METAL, CHIP 82K 5% 1/10W
R317	1-216-295-00	s METAL, CHIP 0
R318	1-216-085-00	s METAL, CHIP 33K 5% 1/10W
R319	1-216-091-00	s METAL, CHIP 56K 5% 1/10W
R320	1-216-643-11	s METAL, CHIP 470 0.5% 1/10W
R321	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R322	1-216-661-11	s METAL, CHIP 2.7K 0.5% 1/10W
R323	1-216-659-11	s METAL, CHIP 2.2K 0.5% 1/10W
R324	1-216-659-11	s METAL, CHIP 2.2K 0.5% 1/10W
R325	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R327	1-216-699-11	s METAL, CHIP 100K 0.5% 1/10W
R328	1-216-295-00	s METAL, CHIP 0
R329	1-216-037-00	s METAL, CHIP 330 5% 1/10W
R330	1-216-113-00	s METAL, CHIP 470K 5% 1/10W
R331	1-216-649-11	s METAL, CHIP 820 0.5% 1/10W
R332	1-216-645-11	s METAL, CHIP 560 0.5% 1/10W
R333	1-216-085-00	s METAL, CHIP 33K 5% 1/10W
R334	1-216-636-11	s METAL, CHIP 240 0.5% 1/10W
R335	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R336	1-216-075-00	s METAL, CHIP 12K 5% 1/10W
R337	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R338	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R339	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R340	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R341	1-216-691-11	s METAL, CHIP 47K 0.5% 1/10W
R342	1-216-653-11	s METAL, CHIP 1.2K 0.5% 1/10W
R343	1-216-664-11	s METAL, CHIP 3.6K 0.5% 1/10W
R344	1-216-119-00	s METAL, CHIP 820K 5% 1/10W
R345	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R346	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R347	1-216-641-11	s METAL, CHIP 390 0.5% 1/10W
R348	1-216-643-11	s METAL, CHIP 470 0.5% 1/10W
R349	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R350	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R351	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R352	1-216-089-91	s METAL, CHIP 47K 5% 1/10W

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Ref. No. or Q'ty	Part No.	SP Description
R353	1-216-641-11	s METAL, CHIP 390 0.5% 1/10W
R354	1-216-079-00	s METAL, CHIP 18K 5% 1/10W
R355	1-216-659-11	s METAL, CHIP 2.2K 0.5% 1/10W
R356	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R357	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R358	1-216-077-00	s METAL, CHIP 15K 5% 1/10W
R359	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R360	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R361	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R362	1-216-638-11	s METAL, CHIP 300 0.5% 1/10W
R364	1-216-638-11	s METAL, CHIP 300 0.5% 1/10W
R365	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R366	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R393	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R394	1-216-061-00	s METAL, CHIP 3.3K 5% 1/10W
R395	1-216-645-11	s METAL, CHIP 560 0.5% 1/10W
R396	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R397	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R398	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R423	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R424	1-216-053-00	s METAL, CHIP 1.5K 5% 1/10W
R425	1-216-041-00	s METAL, CHIP 470 5% 1/10W
R426	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R427	1-216-053-00	s METAL, CHIP 1.5K 5% 1/10W
R429	1-216-061-00	s METAL, CHIP 3.3K 5% 1/10W
R430	1-216-687-11	s METAL, CHIP 33K 0.5% 1/10W
R431	1-216-687-11	s METAL, CHIP 33K 0.5% 1/10W
R432	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R433	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R434	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R435	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R436	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R437	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R438	1-216-295-00	s METAL, CHIP 0
R439	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R440	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R441	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R442	1-216-071-00	s METAL, CHIP 8.2K 5% 1/10W
R443	1-216-053-00	s METAL, CHIP 1.5K 5% 1/10W
R444	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R445	1-216-061-00	s METAL, CHIP 3.3K 5% 1/10W
R446	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R447	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R448	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R449	1-216-085-00	s METAL, CHIP 33K 5% 1/10W
R450	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R451	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R452	1-216-041-00	s METAL, CHIP 470 5% 1/10W
R453	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R454	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R456	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R457	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R458	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R459	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R460	1-216-628-11	s METAL, CHIP 110 0.5% 1/10W
R461	1-216-635-11	s METAL, CHIP 220 0.5% 1/10W
R462	1-216-635-11	s METAL, CHIP 220 0.5% 1/10W
R463	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R482	1-216-081-00	s METAL, CHIP 22K 5% 1/10W

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Ref. No. or Q'ty	Part No.	SP Description
R483	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R485	1-216-669-11	s METAL, CHIP 5.6K 0.5% 1/10W
R486	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R487	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R488	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R489	1-216-653-11	s METAL, CHIP 1.2K 0.5% 1/10W
R490	1-216-657-11	s METAL, CHIP 1.8K 0.5% 1/10W
R493	1-216-653-11	s METAL, CHIP 1.2K 0.5% 1/10W
R495	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R496	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R497	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R498	1-216-699-11	s METAL, CHIP 100K 0.5% 1/10W
R499	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R500	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R501	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R502	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R503	1-216-295-00	s METAL, CHIP 0
R504	1-216-295-00	s METAL, CHIP 0
R505	1-216-061-00	s METAL, CHIP 3.3K 5% 1/10W
R506	1-216-017-00	s METAL, CHIP 47 5% 1/10W
R507	1-216-643-11	s METAL, CHIP 470 0.5% 1/10W
R508	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R509	1-216-017-00	s METAL, CHIP 47 5% 1/10W
R510	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R511	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R512	1-216-669-11	s METAL, CHIP 5.6K 0.5% 1/10W
R513	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R514	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R515	1-216-669-11	s METAL, CHIP 5.6K 0.5% 1/10W
R516	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R517	1-216-669-11	s METAL, CHIP 5.6K 0.5% 1/10W
R518	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R519	1-216-017-00	s METAL, CHIP 47 5% 1/10W
R522	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R523	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R524	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R526	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R527	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R549	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R550	1-216-053-00	s METAL, CHIP 1.5K 5% 1/10W
R551	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R552	1-216-055-00	s METAL, CHIP 1.8K 5% 1/10W
R553	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R554	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R555	1-216-053-00	s METAL, CHIP 1.5K 5% 1/10W
R556	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R557	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R558	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R559	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R560	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R561	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R562	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R573	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R576	1-216-295-00	s METAL, CHIP 0
R585	1-216-295-00	s METAL, CHIP 0
R586	1-216-295-00	s METAL, CHIP 0
R587	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R588	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R591	1-216-685-11	s METAL, CHIP 27K 0.5% 1/10W

(DM-92 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R611	1-216-106-00	s METAL, CHIP 240K 5% 1/10W
R612	1-216-106-00	s METAL, CHIP 240K 5% 1/10W
R613	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R615	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R616	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R617	1-216-638-11	s METAL, CHIP 300 0.5% 1/10W
R618	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R719	1-216-631-11	s METAL, CHIP 150 0.5% 1/10W
R720	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R721	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R723	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R724	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R728	1-216-295-00	s METAL, CHIP 0
R730	1-216-295-00	s METAL, CHIP 0
R732	1-216-295-00	s METAL, CHIP 0
R733	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R734	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R735	1-216-295-00	s METAL, CHIP 0
R736	1-216-295-00	s METAL, CHIP 0
R737	1-216-689-11	s METAL, CHIP 39K 0.5% 1/10W
R738	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R739	1-216-041-00	s METAL, CHIP 470 5% 1/10W
R741	1-216-295-00	s METAL, CHIP 0
R742	1-216-071-00	s METAL, CHIP 8.2K 5% 1/10W
R744	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R745	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R746	1-216-037-00	s METAL, CHIP 330 5% 1/10W
R747	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R749	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R756	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R757	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R758	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R759	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R780	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R785	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R786	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R787	1-216-669-11	s METAL, CHIP 5.6K 0.5% 1/10W
R791	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R792	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R793	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R794	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R795	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R800	1-216-295-00	s METAL, CHIP 0
R801	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R803	1-216-080-00	s METAL, CHIP 20K 5% 1/10W
R804	1-216-295-00	s METAL, CHIP 0
R902	1-216-675-91	s METAL, CHIP 10K 0.50% 1/10W
R903	1-216-643-11	s METAL, CHIP 470 0.5% 1/10W
R904	1-216-643-11	s METAL, CHIP 470 0.5% 1/10W
R905	1-216-689-11	s METAL, CHIP 39K 0.5% 1/10W
R950	1-216-641-11	s METAL, CHIP 390 0.5% 1/10W
R951	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R952	1-216-683-11	s METAL, CHIP 22K 0.5% 1/10W
R954	1-216-295-00	s METAL, CHIP 0
R955	1-216-681-11	s METAL, CHIP 18K 0.5% 1/10W
R956	1-216-671-11	s METAL, CHIP 6.8K 0.5% 1/10W
R957	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R958	1-216-649-11	s METAL, CHIP 820 0.5% 1/10W
R959	1-216-654-11	s METAL, CHIP 1.3K 0.5% 1/10W

(DM-92 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R962	1-216-661-11	s METAL, CHIP 2.7K 0.5% 1/10W
R963	1-216-083-00	s METAL, CHIP 27K 5% 1/10W
R964	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R965	1-216-643-11	s METAL, CHIP 470 0.5% 1/10W
R966	1-216-643-11	s METAL, CHIP 470 0.5% 1/10W
R967	1-216-643-11	s METAL, CHIP 470 0.5% 1/10W
R968	1-216-041-00	s METAL, CHIP 470 5% 1/10W
R970	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R971	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R972	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R973	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R975	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R976	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R977	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R978	1-216-683-11	s METAL, CHIP 22K 0.5% 1/10W
R983	1-249-429-11	s CARBON 10K 5% 1/4W
R984	1-249-437-11	s CARBON 47K 5% 1/4W
R985	1-249-429-11	s CARBON 10K 5% 1/4W
R986	1-249-429-11	s CARBON 10K 5% 1/4W
R987	1-249-437-11	s CARBON 47K 5% 1/4W
RV8	1-238-800-11	s RES, ADJ METAL 2K
RV9	1-238-800-11	s RES, ADJ METAL 2K
RV10	1-238-784-11	s RES, ADJ METAL 1K
RV11	1-238-787-11	s RES, ADJ METAL 10K
RV12	1-238-789-11	s RES, ADJ, CERMET 50K
RV13	1-238-803-11	s RES, ADJ METAL 20K
RV16	1-238-799-11	s RES, ADJ METAL 1K
RV17	1-238-802-11	s RES, ADJ METAL 10K
RV22	1-238-787-11	s RES, ADJ METAL 10K
RV26	1-241-261-41	s RES, ADJ, CERMET 1K
RV27	1-241-261-41	s RES, ADJ, CERMET 1K
RV28	1-238-784-11	s RES, ADJ METAL 1K
RV702	1-238-799-11	s RES, ADJ METAL 1K
RV703	1-228-459-00	s RES, ADJ METAL 10K
TH101	1-808-269-11	s THERMISTOR
TH102	1-800-202-11	s THERMISTOR S-10K
X501	1-577-117-21	s CRYSTAL 4.433619MHz

DP-101 BOARD (Included DD-12 Board)

Ref. No. or Q'ty	Part No.	SP Description
D101	8-719-942-19	s LED LB402VK
D102	8-719-942-19	s LED LB402VK
D103	8-719-942-19	s LED LB402VK
D104	8-719-942-19	s LED LB402VK

DUS-613 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8276-574-A	o MOUNTED CIRCUIT BOARD, DUS-613
C301	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C302	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C303	1-163-809-11	s CERAMIC, CHIP 0.047uF 10% 25V
C304	1-135-159-21	s TANTALUM, CHIP 10uF 10% 20V
C305	1-162-282-31	s CERAMIC 100PF 10% 50V
D301	8-719-400-18	s DIODE MA152WK
IC302	8-759-925-90	s IC SN74HC74NS
IC303	8-759-926-18	s IC SN74HC157ANS
IC304	8-759-925-90	s IC SN74HC74NS
IC305	8-759-239-58	s IC TC74HC221AF
IC306	8-759-926-18	s IC SN74HC157ANS
R301	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R302	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R303	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R304	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R305	1-216-101-00	s METAL, CHIP 150K 5% 1/10W
R306	1-247-867-11	s CARBON 33K 5% 1/4W

DUS-635 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	1-647-742-11	o PRINTED CIRCUIT BOARD, DUS-635
C101	1-161-021-11	s CERAMIC 0.047uF 10% 25V
ICN101	1-526-816-21	s SOCKET, IC (DP) 24P

DUS-646 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	1-648-231-11	o PRINTED CIRCUIT BOARD, DUS-646
C913	1-164-695-11	s CERAMIC, CHIP 0.0022uF 5% 50V
C914	1-164-004-11	s CERAMIC, CHIP 0.1uF 10% 25V
IC801	8-759-009-51	s IC MC14538BF
R979	1-216-699-11	s METAL, CHIP 100K 0.5% 1/10W
R980	1-216-699-11	s METAL, CHIP 100K 0.5% 1/10W

DUS-662 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8276-658-A	o MOUNTED CIRCUIT BOARD, DUS-662
C351	1-126-157-11	s ELECT 10uF 20% 16V
C352	1-161-051-00	s CERAMIC 0.01uF 10% 50V
C353	1-161-051-00	s CERAMIC 0.01uF 10% 50V
C354	1-161-051-00	s CERAMIC 0.01uF 10% 50V
C355	1-130-477-00	s MYLAR 0.0033uF 5% 50V
C356	1-130-477-00	s MYLAR 0.0033uF 5% 50V
C357	1-161-051-00	s CERAMIC 0.01uF 10% 50V
C358	1-161-051-00	s CERAMIC 0.01uF 10% 50V
IC351	1-526-816-21	s SOCKET, IC (DP) 24P
IC352	1-526-816-21	s SOCKET, IC (DP) 24P
IC353	8-759-917-11	s IC SN74HC393AN
IC354	8-759-239-59	s IC TC74HC221AP
R351	1-249-437-11	s CARBON 47K 5% 1/4W
RV351	1-228-462-00	s RES, ADJ METAL 100K
RV352	1-228-462-00	s RES, ADJ METAL 100K

DUS-693 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	1-649-685-11	o PRINTED CIRCUIT BOARD, DUS-693
C918	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C919	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C920	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C921	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C922	1-164-232-11	s CERAMIC 0.01uF 10% 100V
IC802	8-752-053-21	s IC CXI1211M
R988	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R989	1-216-073-00	s METAL, CHIP 10K 5% 1/10W

DUS-699 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	1-649-860-11	o PRINTED CIRCUIT BOARD, DUS-699
IC704	8-759-700-43	s IC NJM4558M
R857	1-216-691-11	s METAL, CHIP 47K 0.5% 1/10W
R858	1-216-691-11	s METAL, CHIP 47K 0.5% 1/10W
R859	1-216-691-11	s METAL, CHIP 47K 0.5% 1/10W
R860	1-216-691-11	s METAL, CHIP 47K 0.5% 1/10W

FL-129P BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8276-540-A	o MOUNTED CIRCUIT BOARD, FL-129P
C37	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C38	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C39	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C40	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C41	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C42	1-163-145-00	s CERAMIC, CHIP 0.0015uF 5% 50V
C43	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C44	1-162-924-11	s CERAMIC 56PF 5% 50V
C45	1-162-928-11	s CERAMIC, CHIP 120PF 5% 50V
C46	1-164-816-11	s CERAMIC, CHIP 220PF 2% 50V
C47	1-162-959-11	s CERAMIC, CHIP 330PF 5% 50V
C48	1-164-383-11	s CERAMIC, CHIP 110PF 5% 50V
C49	1-164-392-11	s CERAMIC, CHIP 390PF 5% 50V
C50	1-164-238-11	s CERAMIC, CHIP 36PF 10% 50V
C51	1-164-466-11	s CERAMIC, CHIP 240PF 5% 50V
C52	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C54	1-162-999-11	s CERAMIC, CHIP 91PF 5% 50V
C56	1-164-393-11	s CERAMIC, CHIP 430PF 5% 50V
C59	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C60	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C62	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C63	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C64	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C65	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C66	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C67	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C68	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C69	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C70	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C72	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C74	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C457	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
IC4	8-759-710-86	s IC NJM2233BM
L13	1-408-785-21	s INDUCTOR CHIP 47uH
L14	1-408-785-21	s INDUCTOR CHIP 47uH
L15	1-408-798-00	s INDUCTOR, CHIP 1mmH
L16	1-410-389-31	s INDUCTOR CHIP 47uH
L17	1-410-391-11	s INDUCTOR, CHIP 68uH
L18	1-410-392-11	s INDUCTOR, CHIP 82uH
L19	1-410-392-11	s INDUCTOR, CHIP 82uH
L23	1-408-785-21	s INDUCTOR CHIP 47uH
Q26	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q27	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q28	8-729-905-18	s TRANSISTOR DTC144EU
Q29	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q30	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q31	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q33	8-729-905-24	s TRANSISTOR 2SA1576-S
Q34	8-729-202-38	s TRANSISTOR 2SC3326N
Q35	8-729-202-38	s TRANSISTOR 2SC3326N
Q36	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q37	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q38	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q39	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q40	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q41	8-729-120-28	s TRANSISTOR 2SC1623-L5L6

(FL-129P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
Q42	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q43	8-729-905-18	s TRANSISTOR DTC144EU
Q44	8-729-905-18	s TRANSISTOR DTC144EU
R56	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R57	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R58	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R59	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R60	1-218-672-11	s METAL, CHIP 150 0.50% 1/16W
R61	1-218-457-11	s METAL, CHIP 910 5% 1/16W
R62	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R63	1-218-289-11	s METAL, CHIP 510 5% 1/16W
R64	1-216-865-11	s METAL, CHIP 3K 5% 1/16W
R65	1-218-289-11	s METAL, CHIP 510 5% 1/16W
R66	1-216-838-11	s METAL, CHIP 27K 5% 1/16W
R67	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R69	1-218-289-11	s METAL, CHIP 510 5% 1/16W
R70	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R71	1-218-457-11	s METAL, CHIP 910 5% 1/16W
R73	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R74	1-218-457-11	s METAL, CHIP 910 5% 1/16W
R75	1-218-457-11	s METAL, CHIP 910 5% 1/16W
R80	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R81	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R82	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R83	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R84	1-216-820-11	s METAL, CHIP 820 5% 1/16W
R85	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R86	1-216-838-11	s METAL, CHIP 27K 5% 1/16W
R87	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R88	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R89	1-218-289-11	s METAL, CHIP 510 5% 1/16W
R90	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R91	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R92	1-216-838-11	s METAL, CHIP 27K 5% 1/16W
R93	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R94	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R95	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R96	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R98	1-216-820-11	s METAL, CHIP 820 5% 1/16W
R99	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R100	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R101	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R104	1-218-289-11	s METAL, CHIP 510 5% 1/16W
R592	1-216-838-11	s METAL, CHIP 27K 5% 1/16W
R593	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R605	1-218-271-11	s METAL, CHIP 2K 5% 1/16W
R701	1-218-688-11	s METAL, CHIP 680 0.50% 1/16W
R747	1-216-121-00	s METAL, CHIP 1M 5% 1/10W
R788	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R789	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
RV2	1-241-261-41	s RES, ADJ, CERMET 1K
RV3	1-241-261-41	s RES, ADJ, CERMET 1K
RV4	1-241-262-11	s RES, ADJ, CERMET 2K
RV5	1-241-262-11	s RES, ADJ, CERMET 2K

FL-130P BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8276-541-A	o MOUNTED CIRCUIT BOARD, FL-130P
C293	1-162-917-11	s CERAMIC, CHIP 15PF 5% 50V
C294	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C295	1-164-379-11	s CERAMIC 43PF 5% 50V
C296	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C297	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C298	1-135-227-11	s TANTAL 100uF 20% 6.3V
C299	1-135-227-11	s TANTAL 100uF 20% 6.3V
C303	1-135-165-11	s TANTALUM 33uF 20% 16V
C304	1-135-165-11	s TANTALUM 33uF 20% 16V
C305	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C306	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C307	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C308	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C453	1-164-385-11	s CERAMIC, CHIP 160PF 5% 50V
C454	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C701	1-135-227-11	s TANTAL 100uF 20% 6.3V
C702	1-135-227-11	s TANTAL 100uF 20% 6.3V
C704	1-164-378-11	s CERAMIC, CHIP 30PF 5% 50V
CN7	1-566-095-11	o CONNECTOR, BB 11P, MALE
CN8	1-566-095-11	o CONNECTOR, BB 11P, MALE
CT1	1-141-404-11	s CAP, TRIMMER 30PF
FL4	1-236-716-11	s FILTER, LOW-PASS 5MHz
IC18	8-759-710-86	s IC NJM2233BM
L52	1-410-381-11	s INDUCTOR CHIP 10uH
L71	1-410-388-31	s INDUCTOR CHIP 39uH
L72	1-410-387-11	s INDUCTOR, CHIP 33uH
L73	1-410-383-31	s INDUCTOR, CHIP 15uH
L701	1-410-390-11	s INDUCTOR, CHIP 56uH
Q114	8-729-230-49	s TRANSISTOR 2SC2712-YG
Q115	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q116	8-729-230-49	s TRANSISTOR 2SC2712-YG
Q117	8-729-230-49	s TRANSISTOR 2SC2712-YG
Q118	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q119	8-729-102-07	s TRANSISTOR 2SC2223-F13
Q120	8-729-905-24	s TRANSISTOR 2SA1576-S
Q121	8-729-230-49	s TRANSISTOR 2SC2712-YG
Q701	8-729-905-24	s TRANSISTOR 2SA1576-S
Q702	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q703	8-729-905-24	s TRANSISTOR 2SA1576-S
R367	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R368	1-218-706-11	s METAL, CHIP 3.9K 0.50% 1/16W
R369	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R370	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R371	1-218-285-11	s METAL, CHIP 75 5% 1/16W
R372	1-216-820-11	s METAL, CHIP 820 5% 1/16W
R373	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R374	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R375	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R376	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R377	1-218-295-11	s METAL, CHIP 4.3K 5% 1/16W
R379	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R380	1-216-838-11	s METAL, CHIP 27K 5% 1/16W
R381	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R382	1-216-839-11	s METAL, CHIP 33K 5% 1/16W

(FL-130P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R383	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R384	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R385	1-218-482-11	s METAL, CHIP 430 5% 1/16W
R387	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R388	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R389	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R391	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R392	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R590	1-218-727-11	s METAL, CHIP 30K 0.50% 1/16W
R710	1-216-838-11	s METAL, CHIP 27K 5% 1/16W
R711	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R712	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R713	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R714	1-218-883-11	s METAL, CHIP 33K 0.50 1/16W
R715	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R716	1-218-688-11	s METAL, CHIP 680 0.50% 1/16W
R718	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R747	1-216-809-11	s METAL, CHIP 100 5% 1/16W

FL-131P BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8276-542-A	o MOUNTED CIRCUIT BOARD, FL-131P
C313	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C314	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C316	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C321	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C322	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C323	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C324	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C456	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C724	1-135-227-11	s TANTAL 100uF 20% 6.3V
C725	1-135-227-11	s TANTAL 100uF 20% 6.3V
CN9	1-566-095-11	o CONNECTOR, BB 11P, MALE
CN10	1-566-095-11	o CONNECTOR, BB 11P, MALE
CT2	1-141-404-11	s CAP, TRIMMER 30PF
L53	1-410-381-11	s INDUCTOR CHIP 10uH
L77	1-410-386-11	s INDUCTOR, CHIP 27uH
L709	1-410-385-41	s INDUCTOR CHIP 22uH
Q123	8-729-230-49	s TRANSISTOR 2SC2712-YG
Q124	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q125	8-729-230-49	s TRANSISTOR 2SC2712-YG
Q126	8-729-230-49	s TRANSISTOR 2SC2712-YG
Q127	8-729-102-07	s TRANSISTOR 2SC2223-F13
Q130	8-729-905-24	s TRANSISTOR 2SA1576-S
Q708	8-729-905-24	s TRANSISTOR 2SA1576-S
Q709	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
R399	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R400	1-218-285-11	s METAL, CHIP 75 5% 1/16W
R401	1-216-820-11	s METAL, CHIP 820 5% 1/16W
R402	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R403	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R404	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R405	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R406	1-218-704-11	s METAL, CHIP 3.3K 0.50% 1/16W
R407	1-216-820-11	s METAL, CHIP 820 5% 1/16W
R408	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R409	1-216-838-11	s METAL, CHIP 27K 5% 1/16W
R410	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R412	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R413	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R421	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R422	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R601	1-216-838-11	s METAL, CHIP 27K 5% 1/16W
R750	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R751	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R752	1-218-716-11	s METAL, CHIP 10K 0.50% 1/16W
R753	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R754	1-218-482-11	s METAL, CHIP 430 5% 1/16W
RV15	1-241-262-11	s RES, ADJ, CERMET 2K

FP-84 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-7070-624-A	o MOUNTED CIRCUIT BOARD, FP-84

FP-122 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-7070-625-A	o MOUNTED CIRCUIT BOARD, FP-122

HP-52 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	1-642-875-12	o PRINTED CIRCUIT BOARD, HP-52
1pc	1-642-874-11	o PRINTED CIRCUIT BOARD, VR-130
C1	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
J1002	1-507-854-00	s JACK, PHONE
CN242	1-506-482-11	s CONNECTOR 3P, MALE
R1	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R2	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R3	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R4	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R5	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R6	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R7	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R8	1-216-033-00	s METAL, CHIP 220 5% 1/10W
RV1	1-237-703-11	s RES, VAR CARBON 2Kx2

KY-217 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8271-230-A	o MOUNTED CIRCUIT BOARD, KY-217
1pc	3-718-657-01	o HOLDER, LED
BT1	1-528-229-11	o BATTERY, LITHIUM CR-2450
C2	1-163-104-00	s CERAMIC, CHIP 30PF 5% 50V
C3	1-163-104-00	s CERAMIC, CHIP 30PF 5% 50V
C4	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C6	1-126-176-11	s ELECT 220uF 20% 10V
C7	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C8	1-125-513-11	s DOUBLE LAYERS 0.047FARAD 5.5V
C9	1-126-163-11	s ELECT 4.7uF 20% 50V
C10	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C11	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C12	1-163-104-00	s CERAMIC, CHIP 30PF 5% 50V
C13	1-163-104-00	s CERAMIC, CHIP 30PF 5% 50V
C14	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C15	1-124-472-11	s ELECT 470uF 20% 10V
C16	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C17	1-126-163-11	s ELECT 4.7uF 20% 50V
C18	1-163-275-11	s CERAMIC, CHIP 0.001uF 5% 50V
C19	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
CN701	1-506-487-11	s CONNECTOR 8P, MALE
CN702	1-506-471-11	s CONNECTOR 6P, MALE
CN703	1-506-491-11	o CONNECTOR, 12P, MALE
CN704	1-506-489-11	o CONNECTOR 10P, MALE
CN706	1-506-486-11	s CONNECTOR 7P, MALE
COP1	1-566-388-11	s CONNECTOR 8P, MALE
COR1	1-563-859-11	s PLUG, SHORTING
D1	8-719-104-34	s DIODE 1S2835
D9	8-719-104-34	s DIODE 1S2835
D10	8-719-104-34	s DIODE 1S2835
D11	8-719-104-34	s DIODE 1S2835
D13	8-719-104-34	s DIODE 1S2835
D14	8-719-104-34	s DIODE 1S2835
D15	8-719-104-34	s DIODE 1S2835
D17	8-719-104-34	s DIODE 1S2835
D19	8-719-104-34	s DIODE 1S2835
D23	8-719-104-34	s DIODE 1S2835
D24	8-719-104-34	s DIODE 1S2835
D25	8-719-104-34	s DIODE 1S2835
D26	8-719-104-34	s DIODE 1S2835
D29	8-719-104-34	s DIODE 1S2835
D30	8-719-104-34	s DIODE 1S2835
D45	8-719-104-34	s DIODE 1S2835
D48	8-719-200-02	s DIODE 10E2
D49	8-719-800-76	s DIODE 1SS226
D50	8-719-800-76	s DIODE 1SS226
D51	8-719-800-76	s DIODE 1SS226
D52	8-719-800-76	s DIODE 1SS226
D54	8-719-800-76	s DIODE 1SS226
D101	8-719-939-39	s LED GL5HD8, RED
D102	8-719-802-11	s LED TLUG154, GRN
D103	8-719-939-39	s LED GL5HD8, RED
D104	8-719-939-39	s LED GL5HD8, RED
D105	8-719-939-39	s LED GL5HD8, RED
D106	8-719-939-39	s LED GL5HD8, RED
D107	8-719-939-39	s LED GL5HD8, RED

(KY-217 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
D108	8-719-939-39	s LED GL5HD8, RED
D109	8-719-939-39	s LED GL5HD8, RED
D110	8-719-939-39	s LED GL5HD8, RED
D111	8-719-939-39	s LED GL5HD8, RED
D112	8-719-939-39	s LED GL5HD8, RED
D113	8-719-939-39	s LED GL5HD8, RED
D114	8-719-820-28	s LED TLG-256, GRN
D115	8-719-820-28	s LED TLG-256, GRN
D116	8-719-939-39	s LED GL5HD8, RED
D117	8-719-802-11	s LED TLUG154, GRN
D118	8-719-939-39	s LED GL5HD8, RED
IC1	8-759-072-57	s IC M50747H-601FP
IC4	8-759-093-15	s IC TD62104F
IC6	8-759-708-05	s IC NJM78L05A
IC7	8-759-074-77	s IC MB88201HPF-539N
IC7	8-759-074-77	s IC MB88201HPF-539N
L001	1-410-385-41	s INDUCTOR CHIP 22uH
Q2	8-729-901-07	s TRANSISTOR DTA124XK
Q3	8-729-901-07	s TRANSISTOR DTA124XK
Q4	8-729-901-07	s TRANSISTOR DTA124XK
Q5	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q6	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q7	8-729-901-07	s TRANSISTOR DTA124XK
Q15	8-729-901-01	s TRANSISTOR DTC144EK
Q100	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q101	8-729-216-22	s TRANSISTOR 2SA1162
Q102	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q103	8-729-216-22	s TRANSISTOR 2SA1162
Q104	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q105	8-729-216-22	s TRANSISTOR 2SA1162
Q106	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q107	8-729-216-22	s TRANSISTOR 2SA1162
Q108	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q109	8-729-216-22	s TRANSISTOR 2SA1162
Q110	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q111	8-729-216-22	s TRANSISTOR 2SA1162
Q112	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q113	8-729-216-22	s TRANSISTOR 2SA1162
Q114	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q115	8-729-216-22	s TRANSISTOR 2SA1162
Q116	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q117	8-729-216-22	s TRANSISTOR 2SA1162
Q118	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q119	8-729-216-22	s TRANSISTOR 2SA1162
Q120	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q121	8-729-216-22	s TRANSISTOR 2SA1162
Q122	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q123	8-729-216-22	s TRANSISTOR 2SA1162
Q124	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
R8	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R9	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R10	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R11	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R12	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R13	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R14	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R15	1-216-049-00	s METAL, CHIP 1K 5% 1/10W

(KY-217 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R16	1-216-689-11	s METAL, CHIP 39K 0.5% 1/10W
R17	1-216-689-11	s METAL, CHIP 39K 0.5% 1/10W
R18	1-216-689-11	s METAL, CHIP 39K 0.5% 1/10W
R19	1-216-689-11	s METAL, CHIP 39K 0.5% 1/10W
R20	1-216-689-11	s METAL, CHIP 39K 0.5% 1/10W
R21	1-216-689-11	s METAL, CHIP 39K 0.5% 1/10W
R22	1-216-689-11	s METAL, CHIP 39K 0.5% 1/10W
R23	1-216-689-11	s METAL, CHIP 39K 0.5% 1/10W
R24	1-216-023-00	s METAL, CHIP 82 5% 1/10W
R25	1-216-023-00	s METAL, CHIP 82 5% 1/10W
R26	1-216-023-00	s METAL, CHIP 82 5% 1/10W
R27	1-216-023-00	s METAL, CHIP 82 5% 1/10W
R28	1-216-023-00	s METAL, CHIP 82 5% 1/10W
R29	1-216-023-00	s METAL, CHIP 82 5% 1/10W
R30	1-216-023-00	s METAL, CHIP 82 5% 1/10W
R31	1-216-023-00	s METAL, CHIP 82 5% 1/10W
R32	1-216-121-00	s METAL, CHIP 1M 5% 1/10W
R33	1-216-059-00	s METAL, CHIP 2.7K 5% 1/10W
R34	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R35	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R36	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R37	1-216-059-00	s METAL, CHIP 2.7K 5% 1/10W
R38	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R39	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R40	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R41	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R44	1-216-041-00	s METAL, CHIP 470 5% 1/10W
R45	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R48	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R49	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R50	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R51	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R52	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R53	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R54	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R55	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R56	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R57	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R58	1-216-061-00	s METAL, CHIP 3.3K 5% 1/10W
R73	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R75	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R84	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R85	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R86	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R87	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R88	1-216-061-00	s METAL, CHIP 3.3K 5% 1/10W
R89	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R95	1-216-023-00	s METAL, CHIP 82 5% 1/10W
R96	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R97	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R98	1-216-017-00	s METAL, CHIP 47 5% 1/10W
R99	1-216-017-00	s METAL, CHIP 47 5% 1/10W
R100	1-216-077-00	s METAL, CHIP 15K 5% 1/10W
R101	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R102	1-216-063-00	s METAL, CHIP 3.9K 5% 1/10W
R103	1-216-077-00	s METAL, CHIP 15K 5% 1/10W
R104	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R105	1-216-063-00	s METAL, CHIP 3.9K 5% 1/10W
R106	1-216-077-00	s METAL, CHIP 15K 5% 1/10W

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Ref. No. or Q'ty	Part No.	SP Description
C748	1-163-243-11	s CERAMIC, CHIP 47PF 5% 50V
C749	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C750	1-163-215-00	s CERAMIC, CHIP 0.0027uF 5% 50V
C751	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C752	1-163-115-00	s CERAMIC, CHIP 82PF 5% 50V
C753	1-126-947-11	s ELECT 47uF 20% 35V
C754	1-126-947-11	s ELECT 47uF 20% 35V
C755	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C756	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C760	1-163-237-11	s CERAMIC, CHIP 27PF 5% 50V
C761	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C763	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C764	1-163-227-11	s CERAMIC, CHIP 10PF 5% 50V
C766	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C767	1-163-099-00	s CERAMIC, CHIP 18PF 5% 50V
C769	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C771	1-163-033-00	s CERAMIC, CHIP 0.022uF 50V
C772	1-163-033-00	s CERAMIC, CHIP 0.022uF 50V
C774	1-126-947-11	s ELECT 47uF 20% 35V
C804	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C805	1-164-232-11	s CERAMIC 0.01uF 10% 100V
C806	1-130-483-00	s MYLAR 0.01uF 5% 50V
CN11	1-506-485-11	s CONNECTOR 6P, MALE
CN605	1-573-782-21	o CONNECTOR, PHEC 60P, MALE
CN606	1-573-782-21	o CONNECTOR, PHEC 60P, MALE
D1	8-719-941-86	s DIODE DAN202U
D3	8-719-941-86	s DIODE DAN202U
D4	8-719-941-86	s DIODE DAN202U
D241	8-719-800-76	s DIODE 1SS226
D700	8-719-941-86	s DIODE DAN202U
D701	8-719-941-86	s DIODE DAN202U
D702	8-719-800-76	s DIODE 1SS226
D703	8-719-941-86	s DIODE DAN202U
D704	8-719-941-86	s DIODE DAN202U
DL1	1-415-403-21	s DELAY LINE 1uS
FL1	1-235-779-11	s FILTER, LOW-PASS 2.5MHz
FL2	1-236-716-11	s FILTER, LOW-PASS 5MHz
FL3	1-236-835-11	s FILTER, BANDPASS 4.43MHz
FL4	1-577-162-11	s FILTER, CERAMIC 5.17MHz
FL5	1-236-186-11	s FILTER, BAND PASS 4.43MHz
IC1	8-759-239-34	s IC TC74HC4538AF
IC2	8-759-710-86	s IC NJM2233BM
IC3	8-759-710-86	s IC NJM2233BM
IC4	8-759-710-86	s IC NJM2233BM
IC5	8-759-710-86	s IC NJM2233BM
IC6	8-759-710-86	s IC NJM2233BM
IC7	8-752-337-04	s IC CXD1176Q
IC8	8-752-342-61	s IC CXD2105AQ
IC9	8-752-054-62	s IC CXA1207AR
IC10	8-752-051-40	s IC CXA1208R
IC11	8-759-708-05	s IC NJM78L05A
IC14	8-759-700-43	s IC NJM4558M
IC700	8-759-239-34	s IC TC74HC4538AF
IC701	8-759-710-86	s IC NJM2233BM
IC702	8-759-700-43	s IC NJM4558M
IC703	8-759-710-86	s IC NJM2233BM

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Ref. No. or Q'ty	Part No.	SP Description
L1	1-408-785-21	s INDUCTOR CHIP 47uH
L2	1-408-785-21	s INDUCTOR CHIP 47uH
L3	1-408-785-21	s INDUCTOR CHIP 47uH
L4	1-408-785-21	s INDUCTOR CHIP 47uH
L5	1-408-785-21	s INDUCTOR CHIP 47uH
L8	1-410-388-31	s INDUCTOR CHIP 39uH
L10	1-408-785-21	s INDUCTOR CHIP 47uH
L11	1-408-785-21	s INDUCTOR CHIP 47uH
L12	1-410-388-31	s INDUCTOR CHIP 39uH
L13	1-408-785-21	s INDUCTOR CHIP 47uH
L14	1-408-785-21	s INDUCTOR CHIP 47uH
L15	1-410-383-31	s INDUCTOR, CHIP 15uH
L16	1-408-785-21	s INDUCTOR CHIP 47uH
L17	1-408-785-21	s INDUCTOR CHIP 47uH
L18	1-408-785-21	s INDUCTOR CHIP 47uH
L19	1-408-785-21	s INDUCTOR CHIP 47uH
L20	1-408-785-21	s INDUCTOR CHIP 47uH
L21	1-408-785-21	s INDUCTOR CHIP 47uH
L22	1-408-785-21	s INDUCTOR CHIP 47uH
L23	1-408-785-21	s INDUCTOR CHIP 47uH
L24	1-410-393-11	s INDUCTOR CHIP 100uH
L25	1-410-385-41	s INDUCTOR CHIP 22uH
L26	1-408-785-21	s INDUCTOR CHIP 47uH
L27	1-410-391-11	s INDUCTOR, CHIP 68uH
L28	1-410-386-11	s INDUCTOR, CHIP 27uH
L29	1-410-391-11	s INDUCTOR, CHIP 68uH
L30	1-408-785-21	s INDUCTOR CHIP 47uH
L45	1-408-785-21	s INDUCTOR CHIP 47uH
L46	1-408-785-21	s INDUCTOR CHIP 47uH
L47	1-410-386-11	s INDUCTOR, CHIP 27uH
L501	1-410-658-31	s INDUCTOR, CHIP 220uH
L502	1-410-656-11	s INDUCTOR CHIP 150uH
L503	1-410-389-31	s INDUCTOR CHIP 47uH
L504	1-410-655-31	s INDUCTOR, CHIP 120uH
L505	1-412-280-31	s INDUCTOR CHIP 330uH
L506	1-410-380-31	s INDUCTOR, CHIP 8.2uH
L507	1-412-280-31	s INDUCTOR CHIP 330uH
L527	1-408-785-21	s INDUCTOR CHIP 47uH
L700	1-408-785-21	s INDUCTOR CHIP 47uH
L701	1-408-785-21	s INDUCTOR CHIP 47uH
L702	1-408-785-21	s INDUCTOR CHIP 47uH
L703	1-410-384-31	s INDUCTOR CHIP 18uH
L704	1-410-380-31	s INDUCTOR, CHIP 8.2uH
L705	1-410-382-31	s INDUCTOR, CHIP 12uH
L706	1-410-379-31	s INDUCTOR CHIP 6.8uH
L707	1-408-785-21	s INDUCTOR CHIP 47uH
L708	1-408-785-21	s INDUCTOR CHIP 47uH
L709	1-410-391-11	s INDUCTOR, CHIP 68uH
L710	1-410-387-11	s INDUCTOR, CHIP 33uH
L713	1-408-785-21	s INDUCTOR CHIP 47uH
L714	1-408-785-21	s INDUCTOR CHIP 47uH
L715	1-408-785-21	s INDUCTOR CHIP 47uH
L716	1-408-785-21	s INDUCTOR CHIP 47uH
Q1	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q2	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q3	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q4	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q5	8-729-120-28	s TRANSISTOR 2SC1623-L5L6

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Ref. No. or Q'ty	Part No.	SP	Description
Q6	8-729-905-18	s	TRANSISTOR DTC144EU
Q7	8-729-905-18	s	TRANSISTOR DTC144EU
Q8	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q9	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q10	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q11	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q12	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q13	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q14	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q17	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q18	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q19	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q20	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q21	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q22	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q23	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q24	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q25	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q26	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q27	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q28	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q29	8-729-905-12	s	TRANSISTOR DTA144EU
Q30	8-729-905-18	s	TRANSISTOR DTC144EU
Q31	8-729-905-12	s	TRANSISTOR DTA144EU
Q32	8-729-905-18	s	TRANSISTOR DTC144EU
Q33	8-729-905-12	s	TRANSISTOR DTA144EU
Q34	8-729-905-18	s	TRANSISTOR DTC144EU
Q35	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q36	8-729-905-12	s	TRANSISTOR DTA144EU
Q37	8-729-905-12	s	TRANSISTOR DTA144EU
Q38	8-729-905-12	s	TRANSISTOR DTA144EU
Q39	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q40	8-729-905-24	s	TRANSISTOR 2SA1576-S
Q41	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q42	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q43	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q44	8-729-905-18	s	TRANSISTOR DTC144EU
Q45	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q46	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q47	8-729-905-24	s	TRANSISTOR 2SA1576-S
Q48	8-729-905-24	s	TRANSISTOR 2SA1576-S
Q51	8-729-905-24	s	TRANSISTOR 2SA1576-S
Q52	8-729-905-18	s	TRANSISTOR DTC144EU
Q54	8-729-905-18	s	TRANSISTOR DTC144EU
Q55	8-729-905-18	s	TRANSISTOR DTC144EU
Q56	8-729-905-18	s	TRANSISTOR DTC144EU
Q57	8-729-202-38	s	TRANSISTOR 2SC3326N
Q58	8-729-202-38	s	TRANSISTOR 2SC3326N
Q75	8-729-905-12	s	TRANSISTOR DTA144EU
Q76	8-729-905-18	s	TRANSISTOR DTC144EU
Q77	8-729-905-18	s	TRANSISTOR DTC144EU
Q78	8-729-905-18	s	TRANSISTOR DTC144EU
Q79	8-729-117-16	s	TRANSISTOR 2SA1611-M6
Q80	8-729-905-12	s	TRANSISTOR DTA144EU
Q81	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q82	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q83	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q84	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q85	8-729-905-18	s	TRANSISTOR DTC144EU

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Ref. No. or Q'ty	Part No.	SP	Description
Q86	8-729-905-18	s	TRANSISTOR DTC144EU
Q87	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q88	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q89	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q90	8-729-905-18	s	TRANSISTOR DTC144EU
Q91	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q92	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q93	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q94	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q95	8-729-905-24	s	TRANSISTOR 2SA1576-S
Q241	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q242	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q243	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q244	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q245	8-729-905-24	s	TRANSISTOR 2SA1576-S
Q246	8-729-903-82	s	TRANSISTOR FMW2
Q501	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q503	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q504	8-729-905-18	s	TRANSISTOR DTC144EU
Q505	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q506	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q507	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q508	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q509	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q510	8-729-905-18	s	TRANSISTOR DTC144EU
Q700	8-729-905-12	s	TRANSISTOR DTA144EU
Q701	8-729-905-24	s	TRANSISTOR 2SA1576-S
Q702	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q703	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q704	8-729-905-24	s	TRANSISTOR 2SA1576-S
Q705	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q706	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q707	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q708	8-729-905-24	s	TRANSISTOR 2SA1576-S
Q709	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q710	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q711	8-729-905-18	s	TRANSISTOR DTC144EU
Q712	8-729-905-12	s	TRANSISTOR DTA144EU
Q715	8-729-905-24	s	TRANSISTOR 2SA1576-S
Q716	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q717	8-729-905-24	s	TRANSISTOR 2SA1576-S
Q718	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q719	8-729-905-24	s	TRANSISTOR 2SA1576-S
Q720	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q721	8-729-202-38	s	TRANSISTOR 2SC3326N
Q722	8-729-202-38	s	TRANSISTOR 2SC3326N
Q723	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q724	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q725	8-729-202-38	s	TRANSISTOR 2SC3326N
Q726	8-729-202-38	s	TRANSISTOR 2SC3326N
Q727	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q728	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q729	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q731	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q732	8-729-905-24	s	TRANSISTOR 2SA1576-S
Q733	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6
Q734	8-729-202-38	s	TRANSISTOR 2SC3326N
Q735	8-729-202-38	s	TRANSISTOR 2SC3326N
Q736	8-729-120-28	s	TRANSISTOR 2SC1623-L5L6

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Ref. No. or Q'ty	Part No.	SP Description
Q737	8-729-905-12	s TRANSISTOR DTA144EU
Q750	8-729-905-12	s TRANSISTOR DTA144EU
Q751	8-729-905-12	s TRANSISTOR DTA144EU
Q752	8-729-905-12	s TRANSISTOR DTA144EU
Q753	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q754	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q755	8-729-202-38	s TRANSISTOR 2SC3326N
Q756	8-729-202-38	s TRANSISTOR 2SC3326N
Q758	8-729-202-38	s TRANSISTOR 2SC3326N
R1	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R2	1-216-053-00	s METAL, CHIP 1.5K 5% 1/10W
R3	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R4	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R5	1-216-053-00	s METAL, CHIP 1.5K 5% 1/10W
R6	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R7	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R8	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R9	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R10	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R11	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R12	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R13	1-216-675-91	s METAL, CHIP 10K 0.50% 1/10W
R14	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R15	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R16	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R17	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R18	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R19	1-216-105-91	s METAL, CHIP 220K 5% 1/10W
R21	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R23	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R24	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R25	1-216-053-00	s METAL, CHIP 1.5K 5% 1/10W
R26	1-216-637-11	s METAL, CHIP 270 0.5% 1/10W
R27	1-216-053-00	s METAL, CHIP 1.5K 5% 1/10W
R28	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R29	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R31	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R32	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R33	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R34	1-216-665-11	s METAL, CHIP 3.9K 0.5% 1/10W
R35	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R36	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R37	1-216-639-11	s METAL, CHIP 330 0.5% 1/10W
R38	1-216-053-00	s METAL, CHIP 1.5K 5% 1/10W
R39	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R40	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R41	1-216-001-00	s METAL, CHIP 10 5% 1/10W
R42	1-216-620-91	s METAL, CHIP 51 0.50% 1/10W
R43	1-216-630-11	s METAL, CHIP 130 0.5% 1/10W
R45	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R50	1-216-638-11	s METAL, CHIP 300 0.5% 1/10W
R52	1-216-638-11	s METAL, CHIP 300 0.5% 1/10W
R53	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R55	1-216-660-11	s METAL, CHIP 2.4K 0.5% 1/10W
R56	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R57	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R58	1-216-660-11	s METAL, CHIP 2.4K 0.5% 1/10W
R59	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R60	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W

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Ref. No. or Q'ty	Part No.	SP Description
R61	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R62	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R63	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R64	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R65	1-216-047-00	s METAL, CHIP 820 5% 1/10W
R66	1-216-643-11	s METAL, CHIP 470 0.5% 1/10W
R67	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R73	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R74	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R75	1-216-674-11	s METAL, CHIP 9.1K 0.5% 1/10W
R76	1-216-644-11	s METAL, CHIP 510 0.5% 1/10W
R77	1-216-644-11	s METAL, CHIP 510 0.5% 1/10W
R78	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R79	1-216-053-00	s METAL, CHIP 1.5K 5% 1/10W
R80	1-216-648-11	s METAL, CHIP 750 0.5% 1/10W
R82	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R83	1-216-053-00	s METAL, CHIP 1.5K 5% 1/10W
R84	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R89	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R90	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R91	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R92	1-216-697-11	s METAL, CHIP 82K 0.5% 1/10W
R93	1-216-635-11	s METAL, CHIP 220 0.5% 1/10W
R94	1-216-664-11	s METAL, CHIP 3.6K 0.5% 1/10W
R95	1-216-664-11	s METAL, CHIP 3.6K 0.5% 1/10W
R96	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R97	1-216-635-11	s METAL, CHIP 220 0.5% 1/10W
R98	1-216-035-00	s METAL, CHIP 270 5% 1/10W
R99	1-216-085-00	s METAL, CHIP 33K 5% 1/10W
R100	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R101	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R102	1-216-121-00	s METAL, CHIP 1M 5% 1/10W
R103	1-216-637-11	s METAL, CHIP 270 0.5% 1/10W
R104	1-216-295-00	s METAL, CHIP 0
R105	1-216-659-11	s METAL, CHIP 2.2K 0.5% 1/10W
R106	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R107	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R108	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R109	1-216-037-00	s METAL, CHIP 330 5% 1/10W
R110	1-216-037-00	s METAL, CHIP 330 5% 1/10W
R111	1-216-637-11	s METAL, CHIP 270 0.5% 1/10W
R112	1-216-699-11	s METAL, CHIP 100K 0.5% 1/10W
R113	1-216-013-00	s METAL, CHIP 33 5% 1/10W
R114	1-216-017-00	s METAL, CHIP 47 5% 1/10W
R115	1-216-037-00	s METAL, CHIP 330 5% 1/10W
R116	1-216-067-91	s METAL, CHIP 5.6K 5% 1/10W
R117	1-216-671-11	s METAL, CHIP 6.8K 0.5% 1/10W
R118	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R119	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R120	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R121	1-216-075-00	s METAL, CHIP 12K 5% 1/10W
R122	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R123	1-216-079-00	s METAL, CHIP 18K 5% 1/10W
R124	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R125	1-216-669-11	s METAL, CHIP 5.6K 0.5% 1/10W
R126	1-216-071-00	s METAL, CHIP 8.2K 5% 1/10W
R127	1-216-061-00	s METAL, CHIP 3.3K 5% 1/10W
R128	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R129	1-216-295-00	s METAL, CHIP 0

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Ref. No. or Q'ty	Part No.	SP Description
R130	1-216-057-91 s	METAL, CHIP 2.2K 5% 1/10W
R131	1-216-653-11 s	METAL, CHIP 1.2K 0.5% 1/10W
R132	1-216-663-11 s	METAL, CHIP 3.3K 0.5% 1/10W
R133	1-216-089-91 s	METAL, CHIP 47K 5% 1/10W
R134	1-216-089-91 s	METAL, CHIP 47K 5% 1/10W
R135	1-216-089-91 s	METAL, CHIP 47K 5% 1/10W
R137	1-216-081-00 s	METAL, CHIP 22K 5% 1/10W
R139	1-216-073-00 s	METAL, CHIP 10K 5% 1/10W
R140	1-216-295-00 s	METAL, CHIP 0
R141	1-216-025-00 s	METAL, CHIP 100 5% 1/10W
R143	1-216-295-00 s	METAL, CHIP 0
R144	1-216-057-91 s	METAL, CHIP 2.2K 5% 1/10W
R145	1-216-699-11 s	METAL, CHIP 100K 0.5% 1/10W
R146	1-216-073-00 s	METAL, CHIP 10K 5% 1/10W
R147	1-216-073-00 s	METAL, CHIP 10K 5% 1/10W
R148	1-216-017-00 s	METAL, CHIP 47 5% 1/10W
R149	1-216-673-91 s	METAL, CHIP 8.2K 0.50% 1/10W
R150	1-216-673-91 s	METAL, CHIP 8.2K 0.50% 1/10W
R152	1-216-049-00 s	METAL, CHIP 1K 5% 1/10W
R153	1-216-669-11 s	METAL, CHIP 5.6K 0.5% 1/10W
R154	1-216-658-11 s	METAL, CHIP 2K 0.5% 1/10W
R155	1-216-013-00 s	METAL, CHIP 33 5% 1/10W
R156	1-216-057-91 s	METAL, CHIP 2.2K 5% 1/10W
R157	1-216-065-00 s	METAL, CHIP 4.7K 5% 1/10W
R158	1-216-073-00 s	METAL, CHIP 10K 5% 1/10W
R159	1-216-643-11 s	METAL, CHIP 470 0.5% 1/10W
R160	1-216-643-11 s	METAL, CHIP 470 0.5% 1/10W
R161	1-216-081-00 s	METAL, CHIP 22K 5% 1/10W
R162	1-216-081-00 s	METAL, CHIP 22K 5% 1/10W
R163	1-216-081-00 s	METAL, CHIP 22K 5% 1/10W
R164	1-216-049-00 s	METAL, CHIP 1K 5% 1/10W
R165	1-216-051-00 s	METAL, CHIP 1.2K 5% 1/10W
R167	1-216-651-11 s	METAL, CHIP 1K 0.5% 1/10W
R168	1-216-650-11 s	METAL, CHIP 910 0.5% 1/10W
R169	1-216-644-11 s	METAL, CHIP 510 0.5% 1/10W
R171	1-216-295-00 s	METAL, CHIP 0
R172	1-216-627-11 s	METAL, CHIP 100 0.5% 1/10W
R173	1-216-627-11 s	METAL, CHIP 100 0.5% 1/10W
R175	1-216-041-00 s	METAL, CHIP 470 5% 1/10W
R176	1-216-053-00 s	METAL, CHIP 1.5K 5% 1/10W
R179	1-216-061-00 s	METAL, CHIP 3.3K 5% 1/10W
R180	1-216-073-00 s	METAL, CHIP 10K 5% 1/10W
R181	1-216-667-11 s	METAL, CHIP 4.7K 0.5% 1/10W
R182	1-216-665-11 s	METAL, CHIP 3.9K 0.5% 1/10W
R185	1-218-754-11 s	METAL, CHIP 120K 0.50% 1/10W
R187	1-216-081-00 s	METAL, CHIP 22K 5% 1/10W
R188	1-218-760-11 s	METAL, CHIP 220K 0.5% 1/10W
R189	1-216-663-11 s	METAL, CHIP 3.3K 0.5% 1/10W
R190	1-216-667-11 s	METAL, CHIP 4.7K 0.5% 1/10W
R191	1-216-630-11 s	METAL, CHIP 130 0.5% 1/10W
R192	1-216-081-00 s	METAL, CHIP 22K 5% 1/10W
R193	1-216-089-91 s	METAL, CHIP 47K 5% 1/10W
R194	1-216-089-91 s	METAL, CHIP 47K 5% 1/10W
R195	1-216-089-91 s	METAL, CHIP 47K 5% 1/10W
R196	1-216-641-11 s	METAL, CHIP 390 0.5% 1/10W
R197	1-216-643-11 s	METAL, CHIP 470 0.5% 1/10W
R198	1-216-089-91 s	METAL, CHIP 47K 5% 1/10W
R199	1-216-089-91 s	METAL, CHIP 47K 5% 1/10W
R200	1-216-089-91 s	METAL, CHIP 47K 5% 1/10W

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Ref. No. or Q'ty	Part No.	SP Description
R241	1-216-085-00 s	METAL, CHIP 33K 5% 1/10W
R242	1-216-072-00 s	METAL, CHIP 9.1K 5% 1/10W
R243	1-216-662-11 s	METAL, CHIP 3K 0.5% 1/10W
R244	1-216-041-00 s	METAL, CHIP 470 5% 1/10W
R245	1-216-057-91 s	METAL, CHIP 2.2K 5% 1/10W
R246	1-216-079-00 s	METAL, CHIP 18K 5% 1/10W
R247	1-216-069-00 s	METAL, CHIP 6.8K 5% 1/10W
R248	1-216-646-11 s	METAL, CHIP 620 0.5% 1/10W
R249	1-216-051-00 s	METAL, CHIP 1.2K 5% 1/10W
R250	1-216-077-00 s	METAL, CHIP 15K 5% 1/10W
R251	1-216-051-00 s	METAL, CHIP 1.2K 5% 1/10W
R252	1-216-097-00 s	METAL, CHIP 100K 5% 1/10W
R253	1-216-073-00 s	METAL, CHIP 10K 5% 1/10W
R254	1-216-061-00 s	METAL, CHIP 3.3K 5% 1/10W
R255	1-216-097-00 s	METAL, CHIP 100K 5% 1/10W
R256	1-218-769-11 s	METAL, CHIP 510K 0.50% 1/10W
R272	1-216-049-00 s	METAL, CHIP 1K 5% 1/10W
R273	1-216-659-11 s	METAL, CHIP 2.2K 0.5% 1/10W
R274	1-216-025-00 s	METAL, CHIP 100 5% 1/10W
R275	1-216-025-00 s	METAL, CHIP 100 5% 1/10W
R276	1-216-033-00 s	METAL, CHIP 220 5% 1/10W
R277	1-216-049-00 s	METAL, CHIP 1K 5% 1/10W
R278	1-216-061-00 s	METAL, CHIP 3.3K 5% 1/10W
R279	1-216-657-11 s	METAL, CHIP 1.8K 0.5% 1/10W
R280	1-216-651-11 s	METAL, CHIP 1K 0.5% 1/10W
R281	1-216-047-00 s	METAL, CHIP 820 5% 1/10W
R282	1-216-025-00 s	METAL, CHIP 100 5% 1/10W
R283	1-216-057-91 s	METAL, CHIP 2.2K 5% 1/10W
R284	1-216-643-11 s	METAL, CHIP 470 0.5% 1/10W
R285	1-216-051-00 s	METAL, CHIP 1.2K 5% 1/10W
R286	1-216-041-00 s	METAL, CHIP 470 5% 1/10W
R287	1-216-079-00 s	METAL, CHIP 18K 5% 1/10W
R288	1-216-073-00 s	METAL, CHIP 10K 5% 1/10W
R289	1-216-041-00 s	METAL, CHIP 470 5% 1/10W
R291	1-216-081-00 s	METAL, CHIP 22K 5% 1/10W
R292	1-216-081-00 s	METAL, CHIP 22K 5% 1/10W
R293	1-216-049-00 s	METAL, CHIP 1K 5% 1/10W
R294	1-216-081-00 s	METAL, CHIP 22K 5% 1/10W
R295	1-216-081-00 s	METAL, CHIP 22K 5% 1/10W
R296	1-216-049-00 s	METAL, CHIP 1K 5% 1/10W
R297	1-216-097-00 s	METAL, CHIP 100K 5% 1/10W
R298	1-216-089-91 s	METAL, CHIP 47K 5% 1/10W
R299	1-216-097-00 s	METAL, CHIP 100K 5% 1/10W
R300	1-216-073-00 s	METAL, CHIP 10K 5% 1/10W
R301	1-216-073-00 s	METAL, CHIP 10K 5% 1/10W
R302	1-216-077-00 s	METAL, CHIP 15K 5% 1/10W
R303	1-216-061-00 s	METAL, CHIP 3.3K 5% 1/10W
R304	1-216-049-00 s	METAL, CHIP 1K 5% 1/10W
R305	1-216-049-00 s	METAL, CHIP 1K 5% 1/10W
R306	1-216-295-00 s	METAL, CHIP 0
R307	1-216-295-00 s	METAL, CHIP 0
R308	1-216-295-00 s	METAL, CHIP 0
R309	1-216-295-00 s	METAL, CHIP 0
R311	1-216-295-00 s	METAL, CHIP 0
R312	1-216-295-00 s	METAL, CHIP 0
R313	1-216-295-00 s	METAL, CHIP 0
R314	1-216-295-00 s	METAL, CHIP 0
R315	1-216-295-00 s	METAL, CHIP 0
R319	1-216-295-00 s	METAL, CHIP 0

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Ref. No. or Q'ty	Part No.	SP Description
R320	1-216-295-00	s METAL, CHIP 0
R321	1-216-295-00	s METAL, CHIP 0
R322	1-216-295-00	s METAL, CHIP 0
R323	1-216-295-00	s METAL, CHIP 0
R324	1-216-295-00	s METAL, CHIP 0
R325	1-216-295-00	s METAL, CHIP 0
R326	1-216-295-00	s METAL, CHIP 0
R329	1-216-295-00	s METAL, CHIP 0
R331	1-216-642-11	s METAL, CHIP 430 0.5% 1/10W
R334	1-216-083-00	s METAL, CHIP 27K 5% 1/10W
R335	1-216-643-11	s METAL, CHIP 470 0.5% 1/10W
R336	1-216-688-11	s METAL, CHIP 36K 0.5% 1/10W
R340	1-216-083-00	s METAL, CHIP 27K 5% 1/10W
R341	1-216-295-00	s METAL, CHIP 0
R342	1-216-109-91	s METAL, CHIP 330K 5% 1/10W
R343	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R344	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R345	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R348	1-216-053-00	s METAL, CHIP 1.5K 5% 1/10W
R350	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R351	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R352	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R353	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R354	1-216-686-11	s METAL, CHIP 30K 0.5% 1/10W
R355	1-216-665-11	s METAL, CHIP 3.9K 0.5% 1/10W
R360	1-216-295-00	s METAL, CHIP 0
R361	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R364	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R365	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R501	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R502	1-216-085-00	s METAL, CHIP 33K 5% 1/10W
R504	1-216-663-11	s METAL, CHIP 3.3K 0.5% 1/10W
R505	1-216-643-11	s METAL, CHIP 470 0.5% 1/10W
R506	1-216-645-11	s METAL, CHIP 560 0.5% 1/10W
R507	1-216-645-11	s METAL, CHIP 560 0.5% 1/10W
R508	1-216-637-11	s METAL, CHIP 270 0.5% 1/10W
R509	1-216-637-11	s METAL, CHIP 270 0.5% 1/10W
R510	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R511	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R512	1-216-643-11	s METAL, CHIP 470 0.5% 1/10W
R513	1-216-645-11	s METAL, CHIP 560 0.5% 1/10W
R514	1-216-641-11	s METAL, CHIP 390 0.5% 1/10W
R515	1-216-079-00	s METAL, CHIP 18K 5% 1/10W
R516	1-216-671-11	s METAL, CHIP 6.8K 0.5% 1/10W
R517	1-216-069-00	s METAL, CHIP 6.8K 5% 1/10W
R518	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R519	1-216-639-11	s METAL, CHIP 330 0.5% 1/10W
R520	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R521	1-216-085-00	s METAL, CHIP 33K 5% 1/10W
R522	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R523	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R524	1-216-643-11	s METAL, CHIP 470 0.5% 1/10W
R525	1-216-643-11	s METAL, CHIP 470 0.5% 1/10W
R526	1-216-627-11	s METAL, CHIP 100 0.5% 1/10W
R527	1-216-624-11	s METAL, CHIP 75 0.5% 1/10W
R528	1-216-295-00	s METAL, CHIP 0
R529	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R530	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R531	1-216-081-00	s METAL, CHIP 22K 5% 1/10W

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Ref. No. or Q'ty	Part No.	SP Description
R532	1-216-083-00	s METAL, CHIP 27K 5% 1/10W
R533	1-216-295-00	s METAL, CHIP 0
R535	1-216-648-11	s METAL, CHIP 750 0.5% 1/10W
R536	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R700	1-216-679-11	s METAL, CHIP 15K 0.5% 1/10W
R701	1-216-661-11	s METAL, CHIP 2.7K 0.5% 1/10W
R702	1-216-675-91	s METAL, CHIP 10K 0.50% 1/10W
R703	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R704	1-216-665-11	s METAL, CHIP 3.9K 0.5% 1/10W
R705	1-216-687-11	s METAL, CHIP 33K 0.5% 1/10W
R706	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R707	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R708	1-216-672-91	s METAL, CHIP 7.5K 0.50% 1/10W
R709	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R710	1-216-059-00	s METAL, CHIP 2.7K 5% 1/10W
R711	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R712	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R714	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R715	1-216-083-00	s METAL, CHIP 27K 5% 1/10W
R716	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R717	1-216-682-11	s METAL, CHIP 20K 0.5% 1/10W
R718	1-216-643-11	s METAL, CHIP 470 0.5% 1/10W
R719	1-216-643-11	s METAL, CHIP 470 0.5% 1/10W
R720	1-216-642-11	s METAL, CHIP 430 0.5% 1/10W
R721	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R722	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R723	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R724	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R725	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R726	1-216-647-11	s METAL, CHIP 680 0.5% 1/10W
R727	1-216-083-00	s METAL, CHIP 27K 5% 1/10W
R728	1-216-661-11	s METAL, CHIP 2.7K 0.5% 1/10W
R729	1-216-685-11	s METAL, CHIP 27K 0.5% 1/10W
R730	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R731	1-216-682-11	s METAL, CHIP 20K 0.5% 1/10W
R732	1-216-643-11	s METAL, CHIP 470 0.5% 1/10W
R733	1-216-643-11	s METAL, CHIP 470 0.5% 1/10W
R734	1-216-642-11	s METAL, CHIP 430 0.5% 1/10W
R735	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R736	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R737	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R738	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R739	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R740	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R741	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R742	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R743	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R744	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R745	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R746	1-216-659-11	s METAL, CHIP 2.2K 0.5% 1/10W
R747	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R749	1-216-657-11	s METAL, CHIP 1.8K 0.5% 1/10W
R751	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R752	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R753	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R754	1-216-664-11	s METAL, CHIP 3.6K 0.5% 1/10W
R755	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R756	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R762	1-216-013-00	s METAL, CHIP 33 5% 1/10W

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Ref. No. or Q'ty	Part No.	SP Description
R763	1-216-013-00	s METAL, CHIP 33 5% 1/10W
R764	1-216-031-00	s METAL, CHIP 180 5% 1/10W
R765	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R766	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R768	1-216-621-11	s METAL, CHIP 56 0.5% 1/10W
R769	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R771	1-216-083-00	s METAL, CHIP 27K 5% 1/10W
R772	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R773	1-216-687-11	s METAL, CHIP 33K 0.5% 1/10W
R774	1-216-643-11	s METAL, CHIP 470 0.5% 1/10W
R775	1-216-643-11	s METAL, CHIP 470 0.5% 1/10W
R776	1-216-631-11	s METAL, CHIP 150 0.5% 1/10W
R777	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R779	1-216-295-00	s METAL, CHIP 0
R780	1-216-659-11	s METAL, CHIP 2.2K 0.5% 1/10W
R782	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R784	1-216-644-11	s METAL, CHIP 510 0.5% 1/10W
R785	1-216-643-11	s METAL, CHIP 470 0.5% 1/10W
R786	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R787	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R788	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R789	1-216-083-00	s METAL, CHIP 27K 5% 1/10W
R790	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R792	1-216-644-11	s METAL, CHIP 510 0.5% 1/10W
R793	1-216-643-11	s METAL, CHIP 470 0.5% 1/10W
R794	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R795	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R796	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R797	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R798	1-216-053-00	s METAL, CHIP 1.5K 5% 1/10W
R799	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R800	1-216-645-11	s METAL, CHIP 560 0.5% 1/10W
R801	1-216-659-11	s METAL, CHIP 2.2K 0.5% 1/10W
R802	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R803	1-216-295-00	s METAL, CHIP 0
R804	1-216-083-00	s METAL, CHIP 27K 5% 1/10W
R805	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R807	1-216-295-00	s METAL, CHIP 0
R808	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R810	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R812	1-216-644-11	s METAL, CHIP 510 0.5% 1/10W
R813	1-216-041-00	s METAL, CHIP 470 5% 1/10W
R814	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R815	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R816	1-216-295-00	s METAL, CHIP 0
R817	1-216-650-11	s METAL, CHIP 910 0.5% 1/10W
R818	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R819	1-216-295-00	s METAL, CHIP 0
R820	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R821	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R822	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R823	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R824	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R825	1-216-645-11	s METAL, CHIP 560 0.5% 1/10W
R826	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R827	1-216-061-00	s METAL, CHIP 3.3K 5% 1/10W
R828	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R829	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R833	1-216-643-11	s METAL, CHIP 470 0.5% 1/10W

(MD-89 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R850	1-216-045-00	s METAL, CHIP 680 5% 1/10W
R851	1-216-045-00	s METAL, CHIP 680 5% 1/10W
R852	1-216-045-00	s METAL, CHIP 680 5% 1/10W
R853	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R854	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R855	1-216-295-00	s METAL, CHIP 0
R856	1-216-295-00	s METAL, CHIP 0
RV1	1-238-798-11	s RES, ADJ METAL 500
RV2	1-238-801-11	s RES, ADJ METAL 5K
RV3	1-238-801-11	s RES, ADJ METAL 5K
RV4	1-238-803-11	s RES, ADJ METAL 20K
RV5	1-238-803-11	s RES, ADJ METAL 20K
RV6	1-238-801-11	s RES, ADJ METAL 5K
RV7	1-238-801-11	s RES, ADJ METAL 5K
RV8	1-238-801-11	s RES, ADJ METAL 5K
RV10	1-238-804-11	s RES, ADJ METAL 50K
RV13	1-238-799-11	s RES, ADJ METAL 1K
RV14	1-238-802-11	s RES, ADJ METAL 10K
RV15	1-238-801-11	s RES, ADJ METAL 5K
RV16	1-238-801-11	s RES, ADJ METAL 5K
RV17	1-238-799-11	s RES, ADJ METAL 1K
RV18	1-238-807-11	s RES, ADJ METAL 500K
RV700	1-238-800-11	s RES, ADJ METAL 2K
RV702	1-238-800-11	s RES, ADJ METAL 2K
RV703	1-238-800-11	s RES, ADJ METAL 2K
RV704	1-238-800-11	s RES, ADJ METAL 2K
RV705	1-238-800-11	s RES, ADJ METAL 2K
RV706	1-238-800-11	s RES, ADJ METAL 2K
RV707	1-238-800-11	s RES, ADJ METAL 2K
RV708	1-238-800-11	s RES, ADJ METAL 2K
X1	1-577-117-21	s CRYSTAL 4.433619MHz

MS-36 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-7071-498-A	o MOUNTED CIRCUIT BOARD, MS-36
1pc	1-163-038-11	s CAP, CHIP CERAMIC 0.1MF 25V
1pc	1-506-485-11	o PIN, CONNECTOR, 6P

MT-57A BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8271-224-A	o MOUNTED CIRCUIT BOARD, MT-57A
2pcs	1-520-506-11	s METER, AUDIO LEVEL
2pcs	3-738-923-01	o HOLDER, LED
CN802	1-506-483-21	s CONNECTOR, 4P, MALE
D1	8-719-820-27	s LED TLY-256, YEL
D2	8-719-820-27	s LED TLY-256, YEL
D3	8-719-820-27	s LED TLY-256, YEL
D4	8-719-820-27	s LED TLY-256, YEL
R1	1-249-411-11	s CARBON 330 5% 1/4W
R2	1-249-411-11	s CARBON 330 5% 1/4W

PD-62 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8271-713-A	o MOUNTED CIRCUIT BOARD, PD-62
C101	1-135-211-11	s TANTALUM, CHIP 6.8uF 20% 6.3V
C102	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C103	1-135-211-11	s TANTALUM, CHIP 6.8uF 20% 6.3V
C104	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C105	1-135-211-11	s TANTALUM, CHIP 6.8uF 20% 6.3V
C106	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C107	1-135-211-11	s TANTALUM, CHIP 6.8uF 20% 6.3V
C108	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C109	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C110	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C111	1-135-166-21	s TANTALUM, CHIP 47uF 10% 10V
C112	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
CN252	1-563-863-21	o CONNECTOR, 26P, MALE
IC101	8-759-175-99	s IC CXD8370Q
IC102	8-752-331-00	s IC CXK58648M-12L
IC103	8-752-331-00	s IC CXK58648M-12L
IC104	8-759-926-77	s IC SN74HC541NS
IC105	8-759-926-77	s IC SN74HC541NS
IC106	8-759-926-77	s IC SN74HC541NS
L101	1-410-393-11	s INDUCTOR CHIP 100uH
L102	1-410-393-11	s INDUCTOR CHIP 100uH
L103	1-410-393-11	s INDUCTOR CHIP 100uH
L104	1-410-393-11	s INDUCTOR CHIP 100uH
R101	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R102	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R103	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R104	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R105	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R106	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R107	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R108	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R109	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R110	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R111	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R112	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R113	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R114	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R115	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R116	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R117	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R118	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R119	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R120	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R121	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R122	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R123	1-216-089-91	s METAL, CHIP 47K 5% 1/10W

PRE-10P BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8271-857-A	o MOUNTED CIRCUIT BOARD, PRE-10P
1pc	3-947-136-01	o PLATE, SHIELD, RF
1pc	7-682-947-01	s SCREW +PSW 3x6
C1	1-124-477-11	s ELECT 47uF 20% 25V
C2	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C3	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C4	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C5	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C6	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C7	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C8	1-124-477-11	s ELECT 47uF 20% 25V
C9	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C11	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C12	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C13	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C14	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C15	1-124-477-11	s ELECT 47uF 20% 25V
C16	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C17	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C18	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C19	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C20	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C21	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C22	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C23	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C24	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C25	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C27	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C28	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C29	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C30	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C31	1-124-477-11	s ELECT 47uF 20% 25V
C32	1-124-477-11	s ELECT 47uF 20% 25V
C34	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C35	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C36	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C37	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C38	1-124-477-11	s ELECT 47uF 20% 25V
C39	1-124-477-11	s ELECT 47uF 20% 25V
C40	1-124-477-11	s ELECT 47uF 20% 25V
C41	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C42	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C43	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C44	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C45	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C46	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C47	1-124-477-11	s ELECT 47uF 20% 25V
C48	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C49	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C51	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C52	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C53	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C54	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C55	1-124-477-11	s ELECT 47uF 20% 25V
C56	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C57	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C58	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C59	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V

(PRE-10P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C62	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C63	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C64	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C65	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C66	1-124-477-11	s ELECT 47uF 20% 25V
C67	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C68	1-124-477-11	s ELECT 47uF 20% 25V
C70	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C71	1-124-477-11	s ELECT 47uF 20% 25V
C72	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C73	1-124-477-11	s ELECT 47uF 20% 25V
C74	1-124-477-11	s ELECT 47uF 20% 25V
C75	1-164-378-11	s CERAMIC, CHIP 30PF 5% 50V
C76	1-164-378-11	s CERAMIC, CHIP 30PF 5% 50V
C77	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C78	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C79	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C80	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C81	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C82	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C83	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C84	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C99	1-163-037-11	s CERAMIC, CHIP 0.022uF 10% 25V
C100	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C101	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C102	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C103	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C104	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C105	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C106	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C107	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C150	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C151	1-162-995-11	s CERAMIC, CHIP 0.022uF 50V
C152	1-164-816-11	s CERAMIC, CHIP 220PF 2% 50V
C153	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C158	1-162-924-11	s CERAMIC 56PF 5% 50V
C159	1-162-924-11	s CERAMIC 56PF 5% 50V
C201	1-162-910-11	s CERAMIC, CHIP 5PF 50V
C202	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C203	1-107-208-00	s MICA 18PF 5% 500V
CN1	1-506-472-11	s CONNECTOR 7P, MALE
CN511	1-506-480-11	s CONNECTOR, 15P, MALE
CN512	1-568-964-11	s CONNECTOR, 6P, MALE
CN513	1-566-761-11	o CONNECTOR 6P, MALE
CN514	1-564-001-11	o CONNECTOR, 2P, MALE
DL1	1-415-162-21	s DELAY LINE 50ns
IC1	8-752-030-66	s IC CXA1077M
IC2	8-759-923-63	s IC TL592PS
IC3	8-759-923-63	s IC TL592PS
IC4	8-759-710-86	s IC NJM2233BM
IC5	8-759-710-86	s IC NJM2233BM
IC6	8-759-925-76	s IC SN74HC08NS
IC7	8-759-925-74	s IC TC74HC04NS
IC8	8-752-030-66	s IC CXA1077M
IC9	8-759-923-63	s IC TL592PS
IC10	8-759-923-63	s IC TL592PS
IC11	8-759-710-86	s IC NJM2233BM
IC12	8-759-710-86	s IC NJM2233BM

(PRE-10P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
IC13	8-759-923-63	s IC TL592PS
IC14	8-759-710-86	s IC NJM2233BM
L1	1-408-785-21	s INDUCTOR CHIP 47uH
L2	1-408-785-21	s INDUCTOR CHIP 47uH
L3	1-408-785-21	s INDUCTOR CHIP 47uH
L4	1-408-785-21	s INDUCTOR CHIP 47uH
L5	1-408-785-21	s INDUCTOR CHIP 47uH
L6	1-408-785-21	s INDUCTOR CHIP 47uH
L7	1-408-785-21	s INDUCTOR CHIP 47uH
L8	1-408-785-21	s INDUCTOR CHIP 47uH
L9	1-408-785-21	s INDUCTOR CHIP 47uH
L10	1-408-785-21	s INDUCTOR CHIP 47uH
L11	1-408-785-21	s INDUCTOR CHIP 47uH
L12	1-408-785-21	s INDUCTOR CHIP 47uH
L13	1-408-785-21	s INDUCTOR CHIP 47uH
L14	1-410-375-11	s INDUCTOR, CHIP 3.3uH
L15	1-410-375-11	s INDUCTOR, CHIP 3.3uH
L16	1-408-785-21	s INDUCTOR CHIP 47uH
L17	1-408-785-21	s INDUCTOR CHIP 47uH
Q1	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q2	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q3	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q4	8-729-905-24	s TRANSISTOR 2SA1576-S
Q5	8-729-102-07	s TRANSISTOR 2SC2223-F13
Q6	8-729-202-38	s TRANSISTOR 2SC3326N
Q7	8-729-202-38	s TRANSISTOR 2SC3326N
Q8	8-729-202-38	s TRANSISTOR 2SC3326N
Q9	8-729-202-38	s TRANSISTOR 2SC3326N
Q10	8-729-905-18	s TRANSISTOR DTC144EU
Q11	8-729-905-24	s TRANSISTOR 2SA1576-S
Q12	8-729-102-07	s TRANSISTOR 2SC2223-F13
Q13	8-729-102-07	s TRANSISTOR 2SC2223-F13
Q14	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q15	8-729-102-07	s TRANSISTOR 2SC2223-F13
Q16	8-729-102-07	s TRANSISTOR 2SC2223-F13
Q17	8-729-102-07	s TRANSISTOR 2SC2223-F13
Q18	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q19	8-729-102-07	s TRANSISTOR 2SC2223-F13
Q20	8-729-102-07	s TRANSISTOR 2SC2223-F13
Q21	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q22	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q23	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q24	8-729-202-38	s TRANSISTOR 2SC3326N
Q25	8-729-202-38	s TRANSISTOR 2SC3326N
Q150	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q201	8-729-109-44	s TRANSISTOR 2SK94
Q202	8-729-109-44	s TRANSISTOR 2SK94
Q203	8-729-901-06	s TRANSISTOR DTA144EK
Q204	8-729-901-01	s TRANSISTOR DTC144EK
R1	1-218-735-11	s METAL, CHIP 62K 0.50% 1/16W
R2	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R3	1-218-735-11	s METAL, CHIP 62K 0.50% 1/16W
R4	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R7	1-216-803-11	s METAL, CHIP 33 5% 1/16W
R8	1-216-803-11	s METAL, CHIP 33 5% 1/16W
R9	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R10	1-216-803-11	s METAL, CHIP 33 5% 1/16W
R11	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W

(PRE-10P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R12	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R13	1-218-735-11	s METAL, CHIP 62K 0.50% 1/16W
R15	1-218-735-11	s METAL, CHIP 62K 0.50% 1/16W
R19	1-216-803-11	s METAL, CHIP 33 5% 1/16W
R20	1-216-803-11	s METAL, CHIP 33 5% 1/16W
R21	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R22	1-216-803-11	s METAL, CHIP 33 5% 1/16W
R23	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R26	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R27	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
R29	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
R30	1-216-820-11	s METAL, CHIP 820 5% 1/16W
R31	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R32	1-218-676-11	s METAL, CHIP 220 0.50% 1/16W
R33	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R34	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R35	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R36	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R37	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R38	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R39	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R40	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R42	1-218-676-11	s METAL, CHIP 220 0.50% 1/16W
R43	1-220-373-11	s METAL, CHIP 62K 0.50% 1/16W
R44	1-218-676-11	s METAL, CHIP 220 0.50% 1/16W
R45	1-218-676-11	s METAL, CHIP 220 0.50% 1/16W
R46	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R47	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R48	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
R49	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R50	1-218-672-11	s METAL, CHIP 150 0.50% 1/16W
R51	1-220-373-11	s METAL, CHIP 62K 0.50% 1/16W
R52	1-218-270-11	s METAL, CHIP 1.1K 5% 1/16W
R53	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R54	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R55	1-218-676-11	s METAL, CHIP 220 0.50% 1/16W
R56	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R57	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R58	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R59	1-216-838-11	s METAL, CHIP 27K 5% 1/16W
R60	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R61	1-216-838-11	s METAL, CHIP 27K 5% 1/16W
R62	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R65	1-216-803-11	s METAL, CHIP 33 5% 1/16W
R66	1-216-803-11	s METAL, CHIP 33 5% 1/16W
R67	1-216-820-11	s METAL, CHIP 820 5% 1/16W
R68	1-216-803-11	s METAL, CHIP 33 5% 1/16W
R69	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R70	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R71	1-216-838-11	s METAL, CHIP 27K 5% 1/16W
R73	1-216-838-11	s METAL, CHIP 27K 5% 1/16W
R77	1-216-803-11	s METAL, CHIP 33 5% 1/16W
R78	1-216-803-11	s METAL, CHIP 33 5% 1/16W
R79	1-216-820-11	s METAL, CHIP 820 5% 1/16W
R80	1-216-803-11	s METAL, CHIP 33 5% 1/16W
R81	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R86	1-216-864-11	s METAL, CHIP 0 5% 1/16W
R89	1-216-820-11	s METAL, CHIP 820 5% 1/16W
R90	1-216-833-11	s METAL, CHIP 10K 5% 1/16W

(PRE-10P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R91	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R92	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R94	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R95	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R96	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R97	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R99	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R101	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R102	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R104	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R105	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R106	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R107	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R108	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R109	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R110	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R111	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R112	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R113	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R114	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R115	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R116	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R150	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R151	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R152	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R153	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R154	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R155	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R156	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R157	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R160	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R161	1-249-429-11	s CARBON 10K 5% 1/4W
R201	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R202	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R203	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R204	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
RV1	1-238-784-11	s RES, ADJ METAL 1K
RV2	1-238-784-11	s RES, ADJ METAL 1K
RV3	1-238-784-11	s RES, ADJ METAL 1K
RV4	1-238-784-11	s RES, ADJ METAL 1K
RV5	1-238-784-11	s RES, ADJ METAL 1K
RV6	1-238-784-11	s RES, ADJ METAL 1K
RV7	1-238-784-11	s RES, ADJ METAL 1K
RV8	1-238-784-11	s RES, ADJ METAL 1K

PTC-32 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	1-564-026-00	o CONTACT, FEMALE, AWG26-30
1pc	1-622-638-11	o PRINTED CIRCUIT BOARD, PTC-32
C1	1-124-228-11	s ELECT 22uF 20% 10V
CN4	1-562-151-11	s HOUSING, 6P
IC1	8-719-939-50	s PHOTOINTERRUPTER GP-1L52
IC2	8-719-939-50	s PHOTOINTERRUPTER GP-1L52
IC3	8-719-940-86	s PHOTOINTERRUPTER GP-1L53
IC4	8-719-939-50	s PHOTOINTERRUPTER GP-1L52
IC5	8-759-133-90	s IC UPC339C

RM-101 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	1-642-970-11	o PRINTED CIRCUIT BOARD, RM-101
CN1021	1-566-319-11	o CONNECTOR, D-SUB 15P, MALE

RM-122 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	1-642-971-11	o PRINTED CIRCUIT BOARD, RM-122
CN1022	1-563-770-11	s CONNECTOR, D-SUB 9P, FEMALE

RS-31 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-7061-818-A	o MOUNTED CIRCUIT BOARD, RS-31
1pc	1-559-762-11	o CABLE, FLAT 22P
1pc	3-712-410-01	s HOLDER, RS
CN304	1-563-494-11	o CONNECTOR, FPC 6P, FEMALE
CN305	1-565-211-11	o CONNECTOR, FPC (ZIF) 22P FEMALE
D320	8-719-800-76	s DIODE 1SS226
D321	8-719-800-76	s DIODE 1SS226
IC301	8-759-908-81	s IC MB3763PF
IC302	8-759-908-81	s IC MB3763PF
PH301	8-719-939-11	s PHOTOINTERRUPTER GP-2S09-B
PH302	8-719-939-11	s PHOTOINTERRUPTER GP-2S09-B
PH303	8-719-939-11	s PHOTOINTERRUPTER GP-2S09-B
PS301	A1-532-727-11	s LINK, IC 0.25A
Q301	8-729-805-25	s TRANSISTOR 2SB1121-S
Q302	8-729-216-22	s TRANSISTOR 2SA1162
Q303	8-729-216-22	s TRANSISTOR 2SA1162
Q304	8-729-216-22	s TRANSISTOR 2SA1162
Q305	8-729-901-01	s TRANSISTOR DTC144EK
Q306	8-729-901-01	s TRANSISTOR DTC144EK
Q307	8-729-901-01	s TRANSISTOR DTC144EK
R302	1-216-174-00	s METAL CHIP 100 5% 1/8W
R303	1-216-186-00	s METAL 330 5% 1/8W

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Ref. No. or Q'ty	Part No.	SP Description
2pcs	1-543-060-00	s BEAD, FERRITE
1pc	1-543-923-11	s BEAD, FERRITE
1pc	2-625-950-01	o HEAT SINK (HS-1030)
1pc	2-626-077-01	o TUBE
1pc	4-382-854-11	s SCREW (M3x10), P, SW (+)
C101	1-136-185-00	s FILM 0.22uF 20% 250V
C101	1-136-185-00	s FILM 0.22uF 20% 250V
C102	1-161-742-00	s CERAMIC 0.0022uF 20% 400V
C102	1-161-742-00	s CERAMIC 0.0022uF 20% 400V
C103	1-161-742-00	s CERAMIC 0.0022uF 20% 400V
C103	1-161-742-00	s CERAMIC 0.0022uF 20% 400V
C104	1-136-185-00	s FILM 0.22uF 20% 250V
C104	1-136-185-00	s FILM 0.22uF 20% 250V
C105	1-161-742-00	s CERAMIC 0.0022uF 20% 400V
C105	1-161-742-00	s CERAMIC 0.0022uF 20% 400V
C106	1-125-738-11	s ELECT 270uF 20% 250
C107	1-125-738-11	s ELECT 270uF 20% 250
C108	1-136-205-11	s FILM 0.022uF 5% 630
C109	1-124-122-11	s ELECT 100uF 20% 50V
C110	1-124-907-11	s ELECT 10uF 20% 50V
C111	1-136-165-00	s FILM 0.1uF 5% 50V
C112	1-110-342-11	s FILM 390PF 5% 50V
C113	1-130-487-00	s MYLAR 0.022uF 5% 50V
C117	1-162-573-11	s CERAMIC 100PF 10% 400V
C117	1-162-573-11	s CERAMIC 100PF 10% 400V
C118	1-130-487-00	s MYLAR 0.022uF 5% 50V
C203	1-130-487-00	s MYLAR 0.022uF 5% 50V
C210	1-124-567-00	s ELECT 1200uF 20% 10V
C213	1-126-241-11	s ELECT 1500uF 20% 16V
C214	1-126-241-11	s ELECT 1500uF 20% 16V
C215	1-128-102-11	s ELECT 1200uF 20% 16V
C216	1-136-165-00	s FILM 0.1uF 5% 50V
C217	1-128-102-11	s ELECT 1200uF 20% 16V
C219	1-124-527-11	s ELECT 8200uF 20% 6.3V
C220	1-124-527-11	s ELECT 8200uF 20% 6.3V
C222	1-128-221-51	s ELECT 2200uF 20% 6.3
C223	1-136-165-00	s FILM 0.1uF 5% 50V
C225	1-124-604-00	s ELECT 330uF 20% 10V
C226	1-136-165-00	s FILM 0.1uF 5% 50V
C227	1-128-102-11	s ELECT 1200uF 20% 16V
C228	1-126-316-51	s ELECT 470uF 20% 16V
C229	1-136-165-00	s FILM 0.1uF 5% 50V
C231	1-130-487-00	s MYLAR 0.022uF 5% 50V
C232	1-130-483-00	s MYLAR 0.01uF 5% 50V
C233	1-124-477-11	s ELECT 47uF 20% 25V
CN101	1-565-395-11	o PIN, CONNECTOR 3P
CN201	1-564-210-00	o CONNECTOR, IL-S 12P, MALE
CN202	1-564-706-11	o PIN HEADER, STRAIGHT 4P
D101	8-719-510-22	s DIODE D3SB60
D102	8-719-313-16	s DIODE AU02A
D103	8-719-313-16	s DIODE AU02A
D104	8-719-911-19	s DIODE 1SS119
D104	8-719-912-20	s DIODE 1SS120
D105	8-719-109-84	s DIODE RD5.1ES-B1
D105	8-719-109-85	s DIODE RD5.1ES-B2
D201	8-719-510-41	s DIODE D10SC9M
D202	8-719-510-39	s DIODE D10LC20U
D203	8-719-510-12	s DIODE D10SC4M

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Ref. No. or Q'ty	Part No.	SP Description
D205	8-719-510-73	s DIODE S3L20UF4
D206	8-719-510-73	s DIODE S3L20UF4
D207	8-719-911-19	s DIODE 1SS119
D207	8-719-912-20	s DIODE 1SS120
D209	8-719-911-19	s DIODE 1SS119
D209	8-719-912-20	s DIODE 1SS120
D210	8-719-110-30	s DIODE RD12ESB1
D210	8-719-110-31	s DIODE RD12ESB2
D211	8-719-109-90	s DIODE RD5.6ES-B2
D211	8-719-123-54	s DIODE RD5.6ESL3
IC101	8-759-520-23	s IC FA5304P
IC102	8-719-028-92	s PHOTO COUPLER PS2652-P-V
IC102	8-719-159-90	s PHOTO COUPLER PS2652-P
IC103	8-719-028-92	s PHOTO COUPLER PS2652-P-V
IC103	8-719-159-90	s PHOTO COUPLER PS2652-P
IC201	8-759-245-79	s IC TA79005S
IC202	8-759-604-43	s IC M5F79M09L
IC203	8-759-321-95	s IC HA17431PA
L101	1-421-915-11	s FILTER, LINE
L102	1-424-574-11	s L.F.T
L201	1-424-255-41	s COIL, CHOKE (MOLDE) 10uH
L202	1-424-255-41	s COIL, CHOKE (MOLDE) 10uH
L203	1-424-255-41	s COIL, CHOKE (MOLDE) 10uH
L204	1-424-255-41	s COIL, CHOKE (MOLDE) 10uH
Q101	8-729-322-18	s TRANSISTOR 2SK1402A
Q201	8-729-900-80	s TRANSISTOR DTC114ES
R101	1-202-849-00	s SOLID 820K 10% 1/2W
R102	1-243-011-11	s WIREWOUND 2.2 5% 5W
R104	1-215-903-11	s METAL 68K 5% 2W
R105	1-215-903-11	s METAL 68K 5% 2W
R108	1-215-904-11	s METAL 100K 5% 2W
R109	1-215-904-11	s METAL 100K 5% 2W
R110	1-215-902-11	s METAL 47K 5% 2W
R111	1-215-902-11	s METAL 47K 5% 2W
R112	1-212-857-00	s FUSIBLE 10 5% 1/4W
R113	1-249-404-00	s CARBON 82 5% 1/4W
R114	1-249-441-11	s CARBON 100K 5% 1/4W
R115	1-249-397-11	s CARBON 22 5% 1/4W
R116	1-216-341-11	s METAL 0.22 5% 1W
R117	1-249-405-11	s CARBON 100 5% 1/4W
R118	1-247-903-00	s CARBON 1M 5% 1/4W
R119	1-249-417-11	s CARBON 1K 5% 1/4W
R120	1-249-404-00	s CARBON 82 5% 1/4W
R121	1-249-425-11	s CARBON 4.7K 5% 1/4W
R122	1-249-436-11	s CARBON 39K 5% 1/4W
R205	1-215-888-00	s FILM 220 5% 2W
R206	1-249-435-11	s CARBON 33K 5% 1/4W
R209	1-215-434-00	s METAL 3.6K 1% 1/6W
R211	1-249-427-11	s CARBON 6.8K 5% 1/4W
R212	1-215-427-00	s METAL 1.8K 1% 1/6W
R213	1-249-433-11	s CARBON 22K 5% 1/4W
R214	1-249-417-11	s CARBON 1K 5% 1/4W
R215	1-249-417-11	s CARBON 1K 5% 1/4W
R216	1-249-421-11	s CARBON 2.2K 5% 1/4W
R217	1-215-888-00	s FILM 220 5% 2W
RV201	1-237-500-21	s RES, ADJ METAL 1K

(SOPS-1031)

Ref. No. or Q'ty	Part No.	SP Description
T101	1-450-841-11	s TRANSFORMER, CONVERTER

(SST-2AP BOARD)

Ref. No. or Q'ty	Part No.	SP Description
IC707	8-759-927-46	s IC SN74HC00NS
IC801	8-752-037-08	s IC CXA1109M
IC802	8-759-108-77	s IC CX877
IC803	8-759-100-95	s IC UPC324G2
IC804	8-759-981-82	s IC RC3414M
IC805	8-759-100-93	s IC UPC393G2
IC806	8-759-207-00	s IC A7733F
IC809	8-759-100-94	s IC UPC358G2
IC901	8-759-207-50	s IC TA7745F
IC902	8-759-100-95	s IC UPC324G2
IC903	8-759-925-66	s IC BA6303F
IC904	8-759-008-67	s IC MC14066BF
IC905	8-759-100-94	s IC UPC358G2
IC906	8-759-708-05	s IC NJM78L05A
IC1001	8-759-100-97	s IC UPC339G2
IC1002	8-759-700-43	s IC NJM4558M
IC1003	8-759-008-67	s IC MC14066BF
L101	1-410-386-11	s INDUCTOR, CHIP 27uH
L401	1-410-381-11	s INDUCTOR CHIP 10uH
L601	1-410-381-11	s INDUCTOR CHIP 10uH
L701	1-408-795-21	s INDUCTOR CHIP 330uH
L702	1-410-381-11	s INDUCTOR CHIP 10uH
L703	1-410-381-11	s INDUCTOR CHIP 10uH
L704	1-410-381-11	s INDUCTOR CHIP 10uH
L705	1-410-381-11	s INDUCTOR CHIP 10uH
PS1	△1-532-679-00	s LINK, IC 0.6A
PS2	△1-532-637-00	s LINK, IC 1.0A
PS3	△1-532-675-00	s LINK, IC 1.5A
PS501	△1-532-679-00	s LINK, IC 0.6A
PS701	△1-532-679-00	s LINK, IC 0.6A
PS801	△1-532-685-00	s LINK, IC 0.6A
Q1	8-729-905-18	s TRANSISTOR DTC144EU
Q2	8-729-905-12	s TRANSISTOR DTA144EU
Q3	8-729-905-18	s TRANSISTOR DTC144EU
Q4	8-729-905-18	s TRANSISTOR DTC144EU
Q6	8-729-905-18	s TRANSISTOR DTC144EU
Q8	8-729-905-18	s TRANSISTOR DTC144EU
Q15	8-729-905-18	s TRANSISTOR DTC144EU
Q16	8-729-114-43	s TRANSISTOR 2SD1309
Q17	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q18	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q19	8-729-905-12	s TRANSISTOR DTA144EU
Q20	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q21	8-729-905-18	s TRANSISTOR DTC144EU
Q201	8-729-905-18	s TRANSISTOR DTC144EU
Q202	8-729-905-18	s TRANSISTOR DTC144EU
Q203	8-729-905-18	s TRANSISTOR DTC144EU
Q204	8-729-905-18	s TRANSISTOR DTC144EU
Q205	8-729-905-24	s TRANSISTOR 2SA1576-S
Q401	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q402	8-729-905-18	s TRANSISTOR DTC144EU
Q403	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q404	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q405	8-729-901-01	s TRANSISTOR DTC144EK
Q501	8-729-905-18	s TRANSISTOR DTC144EU
Q502	8-729-905-12	s TRANSISTOR DTA144EU
Q503	8-729-905-18	s TRANSISTOR DTC144EU

(SST-2AP BOARD)

Ref. No. or Q'ty	Part No.	SP Description
Q504	8-729-905-12	s TRANSISTOR DTA144EU
Q505	8-729-905-18	s TRANSISTOR DTC144EU
Q506	8-729-905-12	s TRANSISTOR DTA144EU
Q507	8-729-905-12	s TRANSISTOR DTA144EU
Q509	8-729-805-25	s TRANSISTOR 2SB1121-S
Q510	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q511	8-729-905-18	s TRANSISTOR DTC144EU
Q512	8-729-905-12	s TRANSISTOR DTA144EU
Q513	8-729-905-18	s TRANSISTOR DTC144EU
Q514	8-729-905-18	s TRANSISTOR DTC144EU
Q602	8-729-905-12	s TRANSISTOR DTA144EU
Q603	8-729-905-24	s TRANSISTOR 2SA1576-S
Q604	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q605	8-729-905-24	s TRANSISTOR 2SA1576-S
Q706	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q707	8-729-905-24	s TRANSISTOR 2SA1576-S
Q708	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q709	8-729-905-24	s TRANSISTOR 2SA1576-S
Q710	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q711	8-729-805-25	s TRANSISTOR 2SB1121-S
Q712	8-729-905-12	s TRANSISTOR DTA144EU
Q713	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q714	8-729-905-18	s TRANSISTOR DTC144EU
Q715	8-729-905-12	s TRANSISTOR DTA144EU
Q716	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q717	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q718	8-729-905-12	s TRANSISTOR DTA144EU
Q719	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q802	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q803	8-729-111-14	s TRANSISTOR 2SA1385-Z-L
Q804	8-729-111-14	s TRANSISTOR 2SA1385-Z-L
Q809	8-729-111-95	s TRANSISTOR 2SC3518-ZL
Q810	8-729-805-25	s TRANSISTOR 2SB1121-S
Q811	8-729-805-25	s TRANSISTOR 2SB1121-S
Q812	8-729-111-14	s TRANSISTOR 2SA1385-Z-L
Q813	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q814	8-729-101-73	s TRANSISTOR 2SD992A
Q815	8-729-101-73	s TRANSISTOR 2SD992A
Q816	8-729-101-73	s TRANSISTOR 2SD992A
Q817	8-729-101-73	s TRANSISTOR 2SD992A
Q818	8-729-101-73	s TRANSISTOR 2SD992A
Q819	8-729-101-73	s TRANSISTOR 2SD992A
Q901	8-729-807-33	s TRANSISTOR 2SB1123-R
Q902	8-729-807-33	s TRANSISTOR 2SB1123-R
Q903	8-729-807-33	s TRANSISTOR 2SB1123-R
Q904	8-729-905-12	s TRANSISTOR DTA144EU
Q905	8-729-905-12	s TRANSISTOR DTA144EU
Q906	8-729-905-18	s TRANSISTOR DTC144EU
Q907	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q908	8-729-905-61	s TRANSISTOR DTC124EU
Q909	8-729-905-57	s TRANSISTOR DTA124EU
Q950	8-729-903-97	s TRANSISTOR FMS1FE
Q951	8-729-905-18	s TRANSISTOR DTC144EU
Q952	8-729-905-18	s TRANSISTOR DTC144EU
Q953	8-729-905-18	s TRANSISTOR DTC144EU
Q954	8-729-905-12	s TRANSISTOR DTA144EU
Q955	8-729-905-18	s TRANSISTOR DTC144EU
Q956	8-729-905-12	s TRANSISTOR DTA144EU
Q957	8-729-905-12	s TRANSISTOR DTA144EU

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Ref. No. or Q'ty	Part No.	SP Description
Q958	8-729-905-18	s TRANSISTOR DTC144EU
R1	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R2	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R3	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R4	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R5	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R6	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R7	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R8	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R9	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R10	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R11	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R12	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R13	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R14	1-216-830-11	s METAL, CHIP 5.6K 5% 1/16W
R15	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R16	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R17	1-216-830-11	s METAL, CHIP 5.6K 5% 1/16W
R18	1-216-840-11	s METAL, CHIP 39K 5% 1/16W
R19	1-216-840-11	s METAL, CHIP 39K 5% 1/16W
R20	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R21	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R22	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R24	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R25	1-216-815-11	s METAL, CHIP 330 5% 1/16W
R26	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R27	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R28	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R29	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R30	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R31	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R32	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R33	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R34	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R35	1-249-410-11	s CARBON 270 5% 1/4W
R36	1-249-410-11	s CARBON 270 5% 1/4W
R37	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R38	1-216-840-11	s METAL, CHIP 39K 5% 1/16W
R39	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R40	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R41	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R42	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R43	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R44	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R45	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R46	1-216-826-11	s METAL, CHIP 2.7K 5% 1/16W
R48	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R49	1-216-826-11	s METAL, CHIP 2.7K 5% 1/16W
R50	1-216-814-11	s METAL, CHIP 270 5% 1/16W
R51	1-216-815-11	s METAL, CHIP 330 5% 1/16W
R56	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R57	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R58	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R59	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R60	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R61	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R62	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R63	1-216-821-11	s METAL, CHIP 1K 5% 1/16W

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Ref. No. or Q'ty	Part No.	SP Description
R64	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R65	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R66	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R67	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R69	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R70	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R71	1-216-831-11	s METAL, CHIP 6.8K 5% 1/16W
R72	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R73	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R74	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R75	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R76	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R77	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R78	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R79	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R83	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R84	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R85	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R86	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R87	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R88	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R89	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R90	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R91	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R100	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R101	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R102	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R104	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R106	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R107	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R108	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R109	1-216-830-11	s METAL, CHIP 5.6K 5% 1/16W
R111	1-216-838-11	s METAL, CHIP 27K 5% 1/16W
R112	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R113	1-216-830-11	s METAL, CHIP 5.6K 5% 1/16W
R114	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R115	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R116	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R118	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R121	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R122	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R123	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R124	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R128	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R130	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R131	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R132	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R133	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R134	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R135	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R136	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R137	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R139	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R142	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R143	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R144	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R145	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R146	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R147	1-216-821-11	s METAL, CHIP 1K 5% 1/16W

(SST-2AP BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R289	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R290	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R291	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R292	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R293	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R294	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R295	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R296	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R297	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R298	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R299	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R301	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R302	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R305	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R307	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R308	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R309	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R310	1-216-037-00	s METAL, CHIP 330 5% 1/10W
R311	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R312	1-260-068-11	s CARBON 2.2 5% 1/2W
R350	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R351	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R352	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R353	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R354	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R355	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R356	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R357	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R358	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R359	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R360	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R361	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R362	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R363	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R364	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R365	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R366	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R367	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R374	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R375	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R376	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R377	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R378	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R379	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R380	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R382	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R383	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R386	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R387	1-216-835-11	s METAL, CHIP 15K 5% 1/16W
R388	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R401	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R402	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R403	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R404	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R405	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R406	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R407	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R408	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R409	1-216-821-11	s METAL, CHIP 1K 5% 1/16W

(SST-2AP BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R410	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R411	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R412	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R413	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R414	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R415	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R416	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R417	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R419	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R420	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R421	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R422	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R423	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R424	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R425	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R426	1-216-832-11	s METAL, CHIP 8.2K 5% 1/16W
R427	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R428	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R429	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R430	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R431	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R432	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R434	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R435	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R436	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R437	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R438	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R439	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R440	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R441	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R442	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R443	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R444	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R445	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R446	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R447	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R448	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R449	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R450	1-216-831-11	s METAL, CHIP 6.8K 5% 1/16W
R451	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R452	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R453	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R454	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R455	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R456	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R457	1-216-851-11	s METAL, CHIP 330K 5% 1/16W
R458	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R459	1-216-831-11	s METAL, CHIP 6.8K 5% 1/16W
R460	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R461	1-216-832-11	s METAL, CHIP 8.2K 5% 1/16W
R462	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R463	1-216-831-11	s METAL, CHIP 6.8K 5% 1/16W
R464	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R465	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R474	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R475	1-216-844-11	s METAL, CHIP 82K 5% 1/16W
R476	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R477	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R478	1-216-821-11	s METAL, CHIP 1K 5% 1/16W

(SST-2AP BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R479	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R480	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R481	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R482	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R483	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R485	1-216-851-11	s METAL, CHIP 330K 5% 1/16W
R486	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R490	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R493	1-249-492-11	s CARBON 10K 5% 1/4W
R501	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R502	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R503	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R504	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R505	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R506	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R507	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R508	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R509	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R510	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R511	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R512	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R514	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R515	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R518	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R519	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R520	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R521	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R522	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R523	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R524	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R525	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R526	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R527	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R528	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R529	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R530	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R531	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R533	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R534	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R535	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R536	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R537	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R541	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R542	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R543	1-218-733-11	s METAL, CHIP 51K 0.50% 1/16W
R544	1-218-723-11	s METAL, CHIP 20K 0.50% 1/16W
R545	1-218-723-11	s METAL, CHIP 20K 0.50% 1/16W
R546	1-218-723-11	s METAL, CHIP 20K 0.50% 1/16W
R547	1-218-723-11	s METAL, CHIP 20K 0.50% 1/16W
R548	1-218-723-11	s METAL, CHIP 20K 0.50% 1/16W
R549	1-218-723-11	s METAL, CHIP 20K 0.50% 1/16W
R550	1-218-723-11	s METAL, CHIP 20K 0.50% 1/16W
R551	1-218-723-11	s METAL, CHIP 20K 0.50% 1/16W
R552	1-218-723-11	s METAL, CHIP 20K 0.50% 1/16W
R553	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R554	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R555	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R556	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R557	1-216-833-11	s METAL, CHIP 10K 5% 1/16W

(SST-2AP BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R558	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R559	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R560	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R561	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R562	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R563	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R564	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R565	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R566	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R567	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R568	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R569	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R570	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R571	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R572	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R573	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R574	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R575	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R576	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R577	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R578	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R579	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R580	1-216-818-11	s METAL, CHIP 560 5% 1/16W
R581	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R582	1-216-840-11	s METAL, CHIP 39K 5% 1/16W
R583	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R584	1-216-843-11	s METAL, CHIP 68K 5% 1/16W
R585	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R586	1-216-842-11	s METAL, CHIP 56K 5% 1/16W
R587	1-216-834-11	s METAL, CHIP 12K 5% 1/16W
R588	1-216-835-11	s METAL, CHIP 15K 5% 1/16W
R589	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R590	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R591	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R592	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R593	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R594	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R595	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R597	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R601	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R602	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R603	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R604	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R605	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R606	1-216-831-11	s METAL, CHIP 6.8K 5% 1/16W
R607	1-216-853-11	s METAL, CHIP 470K 5% 1/16W
R608	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R609	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R610	1-216-847-11	s METAL, CHIP 150K 5% 1/16W
R611	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
R612	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R613	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R614	1-216-838-11	s METAL, CHIP 27K 5% 1/16W
R615	1-216-851-11	s METAL, CHIP 330K 5% 1/16W
R616	1-216-846-11	s METAL, CHIP 120K 5% 1/16W
R617	1-216-820-11	s METAL, CHIP 820 5% 1/16W
R618	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R619	1-216-819-11	s METAL, CHIP 680 5% 1/16W
R620	1-216-812-11	s METAL, CHIP 180 5% 1/16W

(SST-2AP BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R621	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R622	1-216-838-11	s METAL, CHIP 27K 5% 1/16W
R623	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R624	1-216-856-11	s METAL, CHIP 820K 5% 1/16W
R625	1-216-847-11	s METAL, CHIP 150K 5% 1/16W
R626	1-216-830-11	s METAL, CHIP 5.6K 5% 1/16W
R627	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R628	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R629	1-216-840-11	s METAL, CHIP 39K 5% 1/16W
R630	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R631	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R632	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R633	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R634	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R635	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R636	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R637	1-216-842-11	s METAL, CHIP 56K 5% 1/16W
R638	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R639	1-216-853-11	s METAL, CHIP 470K 5% 1/16W
R640	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R641	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R642	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R643	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R645	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R646	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R647	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R648	1-218-272-11	s METAL, CHIP 5.1K 5% 1/16W
R649	1-216-853-11	s METAL, CHIP 470K 5% 1/16W
R650	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R651	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R652	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R653	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R654	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R656	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R657	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R658	1-218-727-11	s METAL, CHIP 30K 0.50% 1/16W
R659	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R660	1-216-820-11	s METAL, CHIP 820 5% 1/16W
R661	1-216-846-11	s METAL, CHIP 120K 5% 1/16W
R662	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R663	1-216-854-11	s METAL, CHIP 560K 5% 1/16W
R664	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R665	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R668	1-216-854-11	s METAL, CHIP 560K 5% 1/16W
R669	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R670	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R671	1-216-831-11	s METAL, CHIP 6.8K 5% 1/16W
R674	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R675	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R676	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R705	1-216-836-11	s METAL, CHIP 18K 5% 1/16W
R706	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R707	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R708	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R709	1-216-840-11	s METAL, CHIP 39K 5% 1/16W
R710	1-216-814-11	s METAL, CHIP 270 5% 1/16W
R711	1-216-814-11	s METAL, CHIP 270 5% 1/16W
R712	1-216-812-11	s METAL, CHIP 180 5% 1/16W
R713	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W

(SST-2AP BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R714	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R715	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R716	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R717	1-216-842-11	s METAL, CHIP 56K 5% 1/16W
R718	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R720	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R721	1-216-832-11	s METAL, CHIP 8.2K 5% 1/16W
R722	1-216-831-11	s METAL, CHIP 6.8K 5% 1/16W
R723	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R724	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R725	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R726	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R727	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R728	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R729	1-216-820-11	s METAL, CHIP 820 5% 1/16W
R730	1-216-857-11	s METAL, CHIP 1M 5% 1/16W
R731	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R732	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R733	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R734	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R735	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R736	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R737	1-216-819-11	s METAL, CHIP 680 5% 1/16W
R738	1-216-819-11	s METAL, CHIP 680 5% 1/16W
R739	1-216-819-11	s METAL, CHIP 680 5% 1/16W
R740	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R741	1-216-831-11	s METAL, CHIP 6.8K 5% 1/16W
R742	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R743	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
R744	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R745	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R746	1-216-820-11	s METAL, CHIP 820 5% 1/16W
R747	1-218-269-11	s METAL, CHIP 360 5% 1/16W
R748	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R749	1-216-814-11	s METAL, CHIP 270 5% 1/16W
R750	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R751	1-216-835-11	s METAL, CHIP 15K 5% 1/16W
R752	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R753	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R754	1-216-819-11	s METAL, CHIP 680 5% 1/16W
R755	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R756	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R757	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R758	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R759	1-216-807-11	s METAL, CHIP 68 5% 1/16W
R801	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R802	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R803	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R804	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R805	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R806	1-216-806-11	s METAL, CHIP 56 5% 1/16W
R807	1-218-676-11	s METAL, CHIP 220 0.50% 1/16W
R808	1-218-707-11	s METAL, CHIP 4.3K 0.50% 1/16W
R809	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R810	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
R811	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
R812	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R813	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R814	1-218-751-11	s METAL, CHIP 300K 0.50% 1/16W

(SST-2AP BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R815	1-218-751-11	s METAL, CHIP 300K 0.50% 1/16W
R816	1-216-843-11	s METAL, CHIP 68K 5% 1/16W
R817	1-216-845-11	s METAL, CHIP 100K 5% 1/16W
R818	1-216-843-11	s METAL, CHIP 68K 5% 1/16W
R819	1-218-744-11	s METAL, CHIP 150K 0.50% 1/16W
R820	1-216-838-11	s METAL, CHIP 27K 5% 1/16W
R821	1-216-850-11	s METAL, CHIP 270K 5% 1/16W
R822	1-216-838-11	s METAL, CHIP 27K 5% 1/16W
R823	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R824	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R825	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R826	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R827	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R828	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R829	1-216-843-11	s METAL, CHIP 68K 5% 1/16W
R830	1-216-847-11	s METAL, CHIP 150K 5% 1/16W
R831	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R833	1-216-851-11	s METAL, CHIP 330K 5% 1/16W
R834	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R835	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R837	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R838	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R839	1-216-818-11	s METAL, CHIP 560 5% 1/16W
R840	1-216-850-11	s METAL, CHIP 270K 5% 1/16W
R841	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R842	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R843	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R844	1-216-850-11	s METAL, CHIP 270K 5% 1/16W
R845	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R846	1-216-850-11	s METAL, CHIP 270K 5% 1/16W
R847	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R848	1-216-850-11	s METAL, CHIP 270K 5% 1/16W
R849	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R850	1-218-296-11	s METAL, CHIP 75K 5% 1/16W
R853	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R854	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R855	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R864	1-216-813-11	s METAL, CHIP 220 5% 1/16W
R901	1-216-814-11	s METAL, CHIP 270 5% 1/16W
R902	1-216-814-11	s METAL, CHIP 270 5% 1/16W
R903	1-216-814-11	s METAL, CHIP 270 5% 1/16W
R904	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R905	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R906	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R907	1-216-831-11	s METAL, CHIP 6.8K 5% 1/16W
R908	1-216-810-11	s METAL, CHIP 120 5% 1/16W
R909	1-216-810-11	s METAL, CHIP 120 5% 1/16W
R910	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R911	1-216-853-11	s METAL, CHIP 470K 5% 1/16W
R912	1-216-831-11	s METAL, CHIP 6.8K 5% 1/16W
R913	1-216-826-11	s METAL, CHIP 2.7K 5% 1/16W
R916	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R917	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R918	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R919	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R920	1-216-835-11	s METAL, CHIP 15K 5% 1/16W
R921	1-216-838-11	s METAL, CHIP 27K 5% 1/16W
R922	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
R923	1-216-840-11	s METAL, CHIP 39K 5% 1/16W

(SST-2AP BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R924	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R925	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R926	1-216-855-11	s METAL, CHIP 680K 5% 1/16W
R927	1-216-852-11	s METAL, CHIP 390K 5% 1/16W
R928	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R929	1-216-823-11	s METAL, CHIP 1.5K 5% 1/16W
R930	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
R931	1-216-832-11	s METAL, CHIP 8.2K 5% 1/16W
R932	1-216-853-11	s METAL, CHIP 470K 5% 1/16W
R933	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R934	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R935	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R951	1-216-831-11	s METAL, CHIP 6.8K 5% 1/16W
R952	1-216-828-11	s METAL, CHIP 3.9K 5% 1/16W
R953	1-214-972-00	s METAL, CHIP 0.22 1% 1/4W
R954	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R955	1-216-836-11	s METAL, CHIP 18K 5% 1/16W
R957	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R958	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R959	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R960	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R961	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R962	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R963	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R964	Δ 1-207-620-00	s WIREWOUND 1 10% 3W
R965	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R966	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R967	1-216-844-11	s METAL, CHIP 82K 5% 1/16W
R968	1-216-836-11	s METAL, CHIP 18K 5% 1/16W
R969	1-216-836-11	s METAL, CHIP 18K 5% 1/16W
R970	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R971	1-216-814-11	s METAL, CHIP 270 5% 1/16W
R1001	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R1002	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R1003	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R1004	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R1005	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R1006	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R1008	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R1009	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R1010	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R1011	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R1012	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R1013	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R1014	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R1015	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R1101	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R1102	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R1501	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R1901	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R1902	1-216-849-11	s METAL, CHIP 220K 5% 1/16W
R1903	1-216-834-11	s METAL, CHIP 12K 5% 1/16W
RV2	1-241-092-11	s RES, ADJ, CERMET 47K
RV401	1-238-090-11	s RES, ADJ, CERMET 10K
RV402	1-238-090-11	s RES, ADJ, CERMET 10K
RV403	1-238-090-11	s RES, ADJ, CERMET 10K
RV404	1-238-802-11	s RES, ADJ METAL 10K
RV410	1-238-090-11	s RES, ADJ, CERMET 10K

(SST-2AP BOARD)

Ref. No. or Q'ty	Part No.	SP Description
RV601	1-238-090-11	s RES, ADJ, CERMET 10K
RV602	1-238-090-11	s RES, ADJ, CERMET 10K
RV603	1-241-092-11	s RES, ADJ, CERMET 47K
RV701	1-238-802-11	s RES, ADJ METAL 10K
RV702	1-238-802-11	s RES, ADJ METAL 10K
RV703	1-238-802-11	s RES, ADJ METAL 10K
RV802	1-238-090-11	s RES, ADJ, CERMET 10K
RV803	1-241-181-11	s RES, ADJ, CERMET 100K
RV804	1-241-175-11	s RES, ADJ, CERMET 220
RV805	1-238-090-11	s RES, ADJ, CERMET 10K
RV901	1-241-183-11	s RES, ADJ, CERMET 470K
RV1001	1-241-092-11	s RES, ADJ, CERMET 47K
S1	1-571-787-11	s SWITCH, PUSH
S2	1-571-275-11	s SWITCH, SLIDE
S3	1-571-275-11	s SWITCH, SLIDE
S401	1-570-598-11	s SWITCH, DIP 4-CKT
X1	1-567-870-11	s RESONATOR, CERAMIC 614KHz
X2	1-567-797-11	s RESENATOR, CERAMIC 12.0MHz
X3	1-567-870-11	s RESONATOR, CERAMIC 614KHz
X201	1-567-192-11	s RESONATOR, CERAMIC 4.00MHz
X401	1-567-865-11	s CRYSTAL, 12.00MHz
X402	1-567-192-11	s RESONATOR, CERAMIC 4.00MHz
X501	1-577-116-21	s CRYSTAL 16MHz
X502	1-567-160-21	s RESONATOR, CERAMIC 4.19MHz
X701	1-567-699-11	s CRYSTAL 5.85938MHz

SW-466 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	1-642-870-11	o PRINTED CIRCUIT BOARD, SW-466
CN244	1-506-468-11	s CONNECTOR, 3P, MALE
S1	1-516-961-00	s SWITCH, LEVER SLIDE

SW-467P BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	1-642-952-13	o PRINTED CIRCUIT BOARD, SW-467
CN246	1-506-478-11	s CONNECTOR, 13P, MALE
CN247	1-506-489-11	s CONNECTOR 10P, MALE
CN248	1-506-492-11	o CONNECTOR, 13P, MALE
CN249	1-506-469-11	s CONNECTOR 4P, MALE
R1	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R2	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R3	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R4	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R5	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R6	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R7	1-216-814-11	s METAL, CHIP 270 5% 1/16W
R8	1-216-814-11	s METAL, CHIP 270 5% 1/16W
R30	1-216-815-11	s METAL, CHIP 330 5% 1/16W
RV1	1-241-918-11	s RES, VAR, CARBON 5K
RV2	1-241-918-11	s RES, VAR, CARBON 5K
RV3	1-241-918-11	s RES, VAR, CARBON 5K
RV4	1-241-918-11	s RES, VAR, CARBON 5K
RV5	1-241-856-11	s RES, VAR, CARBON 5K
RV6	1-241-856-11	s RES, VAR, CARBON 5K
S1	1-570-145-11	s SWITCH, SLIDE
S2	1-570-145-11	s SWITCH, SLIDE
S3	1-570-145-11	s SWITCH, SLIDE
S4	1-572-374-11	s SWITCH, SLIDE
S5	1-572-374-11	s SWITCH, SLIDE
S6	1-572-374-11	s SWITCH, SLIDE
S7	1-570-145-11	s SWITCH, SLIDE
S8	1-692-077-11	s SWITCH, SLIDE
S9	1-572-374-11	s SWITCH, SLIDE
S10	1-570-145-11	s SWITCH, SLIDE
S11	1-572-374-11	s SWITCH, SLIDE
S12	1-570-145-11	s SWITCH, SLIDE
S13	1-570-145-11	s SWITCH, SLIDE

SW-540 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	1-642-871-12	o PRINTED CIRCUIT BOARD, SW-540
CN243	1-506-468-11	s CONNECTOR, 3P, MALE
S1	1-516-961-00	s SWITCH, LEVER SLIDE

SW-543 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	1-642-872-11	o PRINTED CIRCUIT BOARD, SW-543
CN810	1-506-468-11	s CONNECTOR, 3P, MALE
S1007	1-516-961-00	s SWITCH, LEVER SLIDE

TBC-27 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8271-858-A	o MOUNTED CIRCUIT BOARD, TBC-27
1pc	3-947-151-01	o PLATE, SHIELD, CARD
1pc	7-621-759-45	s SCREW +PSW 2.6x6
2pcs	2-251-622-11	s LEVER, PC BOARD
10pcs	1-623-599-11	o PRINTED CIRCUIT BOARD, DUS-194
C1	1-126-923-11	s ELECT 220uF 20% 10V
C2	1-126-923-11	s ELECT 220uF 20% 10V
C3	1-126-923-11	s ELECT 220uF 20% 10V
C4	1-126-923-11	s ELECT 220uF 20% 10V
C5	1-126-947-11	s ELECT 47uF 20% 35V
C6	1-163-037-91	s CERAMIC, CHIP 0.022uF 10% 25V
C7	1-163-235-11	s CERAMIC, CHIP 22PF 5% 50V
C8	1-163-112-00	s CERAMIC, CHIP 62PF 5% 50V
C9	1-163-112-00	s CERAMIC, CHIP 62PF 5% 50V
C10	1-163-251-11	s CERAMIC, CHIP 100PF 5% 50V
C11	1-135-070-00	s TANTALUM, CHIP 0.1uF 10% 35V
C12	1-126-947-11	s ELECT 47uF 20% 35V
C13	1-163-037-91	s CERAMIC, CHIP 0.022uF 10% 25V
C14	1-126-947-11	s ELECT 47uF 20% 35V
C15	1-163-037-91	s CERAMIC, CHIP 0.022uF 10% 25V
C16	1-126-947-11	s ELECT 47uF 20% 35V
C17	1-163-037-91	s CERAMIC, CHIP 0.022uF 10% 25V
C18	1-135-145-11	s TANTALUM, CHIP 0.47uF 10% 35V
C19	1-135-159-21	s TANTALUM, CHIP 10uF 10% 20V
C20	1-126-964-11	s ELECT 10uF 20% 50V
C21	1-163-037-91	s CERAMIC, CHIP 0.022uF 10% 25V
C22	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C24	1-163-037-91	s CERAMIC, CHIP 0.022uF 10% 25V
C25	1-126-947-11	s ELECT 47uF 20% 35V
C27	1-126-947-11	s ELECT 47uF 20% 35V
C28	1-163-037-91	s CERAMIC, CHIP 0.022uF 10% 25V
C29	1-126-947-11	s ELECT 47uF 20% 35V
C30	1-163-243-11	s CERAMIC, CHIP 47PF 5% 50V
C31	1-163-037-91	s CERAMIC, CHIP 0.022uF 10% 25V
C32	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C33	1-163-037-91	s CERAMIC, CHIP 0.022uF 10% 25V
C34	1-126-935-11	s ELECT 470uF 20% 16V
C35	1-163-037-91	s CERAMIC, CHIP 0.022uF 10% 25V
C36	1-126-947-11	s ELECT 47uF 20% 35V
C37	1-163-037-91	s CERAMIC, CHIP 0.022uF 10% 25V
C38	1-128-057-11	s ELECT 330uF 20% 6.3V
C39	1-163-037-91	s CERAMIC, CHIP 0.022uF 10% 25V
C41	1-163-037-91	s CERAMIC, CHIP 0.022uF 10% 25V
C42	1-163-037-91	s CERAMIC, CHIP 0.022uF 10% 25V
C43	1-163-037-91	s CERAMIC, CHIP 0.022uF 10% 25V
C44	1-163-037-91	s CERAMIC, CHIP 0.022uF 10% 25V
C45	1-163-037-91	s CERAMIC, CHIP 0.022uF 10% 25V
C50	1-135-216-11	s TANTALUM, CHIP 10uF 20% 10V
C51	1-163-017-00	s CERAMIC, CHIP 0.0047uF 5% 50V
C52	1-126-964-11	s ELECT 10uF 20% 50V
C55	1-126-947-11	s ELECT 47uF 20% 35V
C56	1-163-037-91	s CERAMIC, CHIP 0.022uF 10% 25V
C57	1-163-037-91	s CERAMIC, CHIP 0.022uF 10% 25V
C61	1-163-037-91	s CERAMIC, CHIP 0.022uF 10% 25V
C63	1-126-947-11	s ELECT 47uF 20% 35V
C65	1-163-235-11	s CERAMIC, CHIP 22PF 5% 50V
C66	1-163-037-91	s CERAMIC, CHIP 0.022uF 10% 25V
C67	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C68	1-163-037-91	s CERAMIC, CHIP 0.022uF 10% 25V

(TBC-27 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C69	1-163-037-91 s	CERAMIC, CHIP 0.022uF 10% 25V
C70	1-128-057-11 s	ELECT 330uF 20% 6.3V
C71	1-163-037-91 s	CERAMIC, CHIP 0.022uF 10% 25V
C72	1-163-239-11 s	CERAMIC, CHIP 33PF 5% 50V
C73	1-124-903-11 s	ELECT 1uF 20% 50V
C74	1-126-964-11 s	ELECT 10uF 20% 50V
C75	1-163-037-91 s	CERAMIC, CHIP 0.022uF 10% 25V
C76	1-163-235-11 s	CERAMIC, CHIP 22PF 5% 50V
C77	1-163-235-11 s	CERAMIC, CHIP 22PF 5% 50V
C78	1-163-227-11 s	CERAMIC, CHIP 10PF 5% 50V
C79	1-126-947-11 s	ELECT 47uF 20% 35V
C80	1-163-251-11 s	CERAMIC, CHIP 100PF 5% 50V
C81	1-163-038-91 s	CERAMIC, CHIP 0.1uF 25V
C82	1-163-037-91 s	CERAMIC, CHIP 0.022uF 10% 25V
C83	1-163-037-91 s	CERAMIC, CHIP 0.022uF 10% 25V
C85	1-163-235-11 s	CERAMIC, CHIP 22PF 5% 50V
C86	1-163-235-11 s	CERAMIC, CHIP 22PF 5% 50V
C87	1-163-275-11 s	CERAMIC, CHIP 0.001uF 5% 50V
C88	1-163-037-91 s	CERAMIC, CHIP 0.022uF 10% 25V
C89	1-126-947-11 s	ELECT 47uF 20% 35V
C90	1-163-037-91 s	CERAMIC, CHIP 0.022uF 10% 25V
C91	1-126-947-11 s	ELECT 47uF 20% 35V
C92	1-126-947-11 s	ELECT 47uF 20% 35V
C93	1-163-037-91 s	CERAMIC, CHIP 0.022uF 10% 25V
C94	1-126-947-11 s	ELECT 47uF 20% 35V
C95	1-126-935-11 s	ELECT 470uF 20% 16V
C96	1-163-037-91 s	CERAMIC, CHIP 0.022uF 10% 25V
C97	1-163-037-91 s	CERAMIC, CHIP 0.022uF 10% 25V
C98	1-163-038-91 s	CERAMIC, CHIP 0.1uF 25V
C99	1-163-115-00 s	CERAMIC, CHIP 82PF 5% 50V
C100	1-163-251-11 s	CERAMIC, CHIP 100PF 5% 50V
C102	1-163-037-91 s	CERAMIC, CHIP 0.022uF 10% 25V
C103	1-128-057-11 s	ELECT 330uF 20% 6.3V
C104	1-163-037-91 s	CERAMIC, CHIP 0.022uF 10% 25V
C105	1-164-005-11 s	CERAMIC, CHIP 0.47uF 25V
C107	1-163-097-00 s	CERAMIC, CHIP 15PF 5% 50V
C108	1-163-251-11 s	CERAMIC, CHIP 100PF 5% 50V
C402	1-126-947-11 s	ELECT 47uF 20% 35V
C403	1-126-947-11 s	ELECT 47uF 20% 35V
C404	1-126-947-11 s	ELECT 47uF 20% 35V
C405	1-164-232-11 s	CERAMIC 0.01uF 10% 100V
C407	1-163-037-91 s	CERAMIC, CHIP 0.022uF 10% 25V
C409	1-163-037-91 s	CERAMIC, CHIP 0.022uF 10% 25V
C410	1-163-037-91 s	CERAMIC, CHIP 0.022uF 10% 25V
C416	1-126-947-11 s	ELECT 47uF 20% 35V
C417	1-126-947-11 s	ELECT 47uF 20% 35V
C418	1-163-037-91 s	CERAMIC, CHIP 0.022uF 10% 25V
C419	1-163-253-11 s	CERAMIC, CHIP 120PF 5% 50V
C420	1-164-232-11 s	CERAMIC 0.01uF 10% 100V
C421	1-164-232-11 s	CERAMIC 0.01uF 10% 100V
C422	1-163-127-00 s	CERAMIC, CHIP 270PF 5% 50V
C423	1-126-947-11 s	ELECT 47uF 20% 35V
C424	1-163-139-00 s	CERAMIC, CHIP 820PF 5% 50V
C425	1-126-947-11 s	ELECT 47uF 20% 35V
C426	1-126-947-11 s	ELECT 47uF 20% 35V
C427	1-126-947-11 s	ELECT 47uF 20% 35V
C428	1-126-947-11 s	ELECT 47uF 20% 35V
C429	1-163-037-91 s	CERAMIC, CHIP 0.022uF 10% 25V
C430	1-164-232-11 s	CERAMIC 0.01uF 10% 100V

(TBC-27 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
C431	1-135-092-21 s	TANTALUM, CHIP 3.3uF 10% 16V
C432	1-163-023-00 s	CERAMIC, CHIP 0.015uF 5% 50V
C436	1-164-232-11 s	CERAMIC 0.01uF 10% 100V
C440	1-163-235-11 s	CERAMIC, CHIP 22PF 5% 50V
C441	1-163-235-11 s	CERAMIC, CHIP 22PF 5% 50V
C442	1-126-933-11 s	ELECT 100uF 20% 16V
C443	1-126-933-11 s	ELECT 100uF 20% 16V
C444	1-163-038-91 s	CERAMIC, CHIP 0.1uF 25V
C445	1-163-038-91 s	CERAMIC, CHIP 0.1uF 25V
C446	1-164-232-11 s	CERAMIC 0.01uF 10% 100V
C447	1-164-232-11 s	CERAMIC 0.01uF 10% 100V
C448	1-124-916-11 s	ELECT 22uF 20% 63V
C449	1-124-903-11 s	ELECT 1uF 20% 50V
C450	1-163-241-11 s	CERAMIC, CHIP 39PF 5% 50V
C451	1-126-947-11 s	ELECT 47uF 20% 35V
C452	1-126-964-11 s	ELECT 10uF 20% 50V
C453	1-163-038-91 s	CERAMIC, CHIP 0.1uF 25V
C454	1-163-038-91 s	CERAMIC, CHIP 0.1uF 25V
C455	1-163-038-91 s	CERAMIC, CHIP 0.1uF 25V
C456	1-163-038-91 s	CERAMIC, CHIP 0.1uF 25V
C457	1-164-161-11 s	CERAMIC, CHIP 0.0022uF 10% 100V
C458	1-164-182-11 s	CERAMIC CHIP 3300PF 10% 100V
C459	1-163-038-91 s	CERAMIC, CHIP 0.1uF 25V
C460	1-163-038-91 s	CERAMIC, CHIP 0.1uF 25V
C461	1-126-933-11 s	ELECT 100uF 20% 16V
C462	1-126-111-11 s	ELECT 3.3uF 20% 100V
C464	1-163-125-00 s	CERAMIC, CHIP 220PF 5% 50V
C465	1-163-098-00 s	CERAMIC CHIP 16PF 5% 50V
C466	1-164-232-11 s	CERAMIC 0.01uF 10% 100V
C467	1-162-638-11 s	CERAMIC, CHIP 1uF 16V
C468	1-162-638-11 s	CERAMIC, CHIP 1uF 16V
C473	1-163-275-11 s	CERAMIC, CHIP 0.001uF 5% 50V
C475	1-135-145-11 s	TANTALUM, CHIP 0.47uF 10% 35V
C476	1-163-127-00 s	CERAMIC, CHIP 270PF 5% 50V
C477	1-164-161-11 s	CERAMIC, CHIP 0.0022uF 10% 100V
C478	1-163-038-91 s	CERAMIC, CHIP 0.1uF 25V
C479	1-163-038-91 s	CERAMIC, CHIP 0.1uF 25V
C480	1-124-916-11 s	ELECT 22uF 20% 63V
C481	1-163-038-91 s	CERAMIC, CHIP 0.1uF 25V
C482	1-124-916-11 s	ELECT 22uF 20% 63V
C483	1-163-038-91 s	CERAMIC, CHIP 0.1uF 25V
C484	1-124-916-11 s	ELECT 22uF 20% 63V
C486	1-124-916-11 s	ELECT 22uF 20% 63V
C487	1-163-038-91 s	CERAMIC, CHIP 0.1uF 25V
C488	1-163-038-91 s	CERAMIC, CHIP 0.1uF 25V
C489	1-163-038-91 s	CERAMIC, CHIP 0.1uF 25V
C490	1-163-038-91 s	CERAMIC, CHIP 0.1uF 25V
C491	1-124-916-11 s	ELECT 22uF 20% 63V
C492	1-163-038-91 s	CERAMIC, CHIP 0.1uF 25V
C493	1-163-038-91 s	CERAMIC, CHIP 0.1uF 25V
C494	1-126-933-11 s	ELECT 100uF 20% 16V
C495	1-126-933-11 s	ELECT 100uF 20% 16V
C496	1-163-037-91 s	CERAMIC, CHIP 0.022uF 10% 25V
C497	1-163-037-91 s	CERAMIC, CHIP 0.022uF 10% 25V
C498	1-163-037-91 s	CERAMIC, CHIP 0.022uF 10% 25V
C499	1-163-037-91 s	CERAMIC, CHIP 0.022uF 10% 25V
C500	1-163-037-91 s	CERAMIC, CHIP 0.022uF 10% 25V
C501	1-163-037-91 s	CERAMIC, CHIP 0.022uF 10% 25V
C502	1-126-933-11 s	ELECT 100uF 20% 16V

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Ref. No. or Q'ty	Part No.	SP Description
C503	1-164-232-11 s	CERAMIC 0.01uF 10% 100V
C504	1-163-038-91 s	CERAMIC, CHIP 0.1uF 25V
C505	1-163-038-91 s	CERAMIC, CHIP 0.1uF 25V
C506	1-126-933-11 s	ELECT 100uF 20% 16V
C507	1-126-933-11 s	ELECT 100uF 20% 16V
C508	1-163-037-91 s	CERAMIC, CHIP 0.022uF 10% 25V
C509	1-163-037-91 s	CERAMIC, CHIP 0.022uF 10% 25V
C510	1-163-037-91 s	CERAMIC, CHIP 0.022uF 10% 25V
C511	1-163-037-91 s	CERAMIC, CHIP 0.022uF 10% 25V
C512	1-164-232-11 s	CERAMIC 0.01uF 10% 100V
C513	1-164-232-11 s	CERAMIC 0.01uF 10% 100V
C514	1-126-933-11 s	ELECT 100uF 20% 16V
C515	1-163-037-91 s	CERAMIC, CHIP 0.022uF 10% 25V
C516	1-163-037-91 s	CERAMIC, CHIP 0.022uF 10% 25V
C517	1-163-037-91 s	CERAMIC, CHIP 0.022uF 10% 25V
C519	1-126-947-11 s	ELECT 47uF 20% 35V
C520	1-163-037-91 s	CERAMIC, CHIP 0.022uF 10% 25V
C521	1-163-037-91 s	CERAMIC, CHIP 0.022uF 10% 25V
C522	1-126-947-11 s	ELECT 47uF 20% 35V
C523	1-163-037-91 s	CERAMIC, CHIP 0.022uF 10% 25V
C524	1-126-947-11 s	ELECT 47uF 20% 35V
C525	1-163-037-91 s	CERAMIC, CHIP 0.022uF 10% 25V
C526	1-126-947-11 s	ELECT 47uF 20% 35V
C527	1-163-037-91 s	CERAMIC, CHIP 0.022uF 10% 25V
C528	1-126-947-11 s	ELECT 47uF 20% 35V
C529	1-163-235-11 s	CERAMIC, CHIP 22PF 5% 50V
C530	1-163-235-11 s	CERAMIC, CHIP 22PF 5% 50V
C532	1-164-232-11 s	CERAMIC 0.01uF 10% 100V
C533	1-163-235-11 s	CERAMIC, CHIP 22PF 5% 50V
C534	1-163-235-11 s	CERAMIC, CHIP 22PF 5% 50V
C535	1-164-232-11 s	CERAMIC 0.01uF 10% 100V
C538	1-163-037-91 s	CERAMIC, CHIP 0.022uF 10% 25V
C539	1-164-232-11 s	CERAMIC 0.01uF 10% 100V
C540	1-164-232-11 s	CERAMIC 0.01uF 10% 100V
C542	1-163-251-11 s	CERAMIC, CHIP 100PF 5% 50V
C543	1-164-232-11 s	CERAMIC 0.01uF 10% 100V
C544	1-107-077-00 s	MICA 47PF 5% 50V
C601	1-163-023-00 s	CERAMIC, CHIP 0.015uF 5% 50V
C602	1-164-345-11 s	CERAMIC, CHIP 0.082uF 10% 25V
C603	1-163-986-00 s	CERAMIC 0.027uF 10% 25V
C604	1-163-986-00 s	CERAMIC 0.027uF 10% 25V
C605	1-163-986-00 s	CERAMIC 0.027uF 10% 25V
C606	1-163-989-11 s	CERAMIC, CHIP 0.033uF 10% 25V
C607	1-163-133-00 s	CERAMIC, CHIP 470PF 5% 50V
C608	1-124-925-11 s	ELECT 2.2uF 20% 100V
C609	1-163-037-91 s	CERAMIC, CHIP 0.022uF 10% 25V
C610	1-164-232-11 s	CERAMIC 0.01uF 10% 100V
C611	1-126-947-11 s	ELECT 47uF 20% 35V
C612	1-163-121-00 s	CERAMIC, CHIP 150PF 5% 50V
C613	1-124-903-11 s	ELECT 1uF 20% 50V
C614	1-163-105-00 s	CERAMIC, CHIP 33PF 5% 50V
C615	1-163-105-00 s	CERAMIC, CHIP 33PF 5% 50V
C616	1-135-092-21 s	TANTALUM, CHIP 3.3uF 10% 16V
C701	1-126-947-11 s	ELECT 47uF 20% 35V
C702	1-163-037-91 s	CERAMIC, CHIP 0.022uF 10% 25V
C703	1-162-726-11 s	CERAMIC 470PF 1% 50V
C704	1-162-777-11 s	CERAMIC 0.01uF 5% 50V
C705	1-163-133-00 s	CERAMIC, CHIP 470PF 5% 50V
C706	1-163-133-00 s	CERAMIC, CHIP 470PF 5% 50V

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Ref. No. or Q'ty	Part No.	SP Description
C715	1-163-037-91 s	CERAMIC, CHIP 0.022uF 10% 25V
C716	1-126-947-11 s	ELECT 47uF 20% 35V
CN611	1-573-782-21 o	CONNECTOR, PHEC 60P, MALE
CN612	1-573-782-21 o	CONNECTOR, PHEC 60P, MALE
CV401	1-141-322-11 s	CAP, VAR, TRIMMER 20PF
CV402	1-141-322-11 s	CAP, VAR, TRIMMER 20PF
D2	8-719-800-76 s	DIODE 1SS226
D3	8-719-018-78 s	DIODE 02CZ3.9
D6	8-719-915-43 s	DIODE, VARICAP FC54M
D401	8-719-940-45 s	DIODE DWA010
D402	8-713-300-88 s	DIODE 1T33C-01
D407	8-719-941-86 s	DIODE DAN202U
D408	8-719-941-86 s	DIODE DAN202U
D409	8-719-941-86 s	DIODE DAN202U
D601	8-719-941-86 s	DIODE DAN202U
D602	8-719-949-46 s	DIODE 1T32
FB1	1-543-775-11 s	FILTER, EMI
FB2	1-543-775-11 s	FILTER, EMI
FB3	1-543-775-11 s	FILTER, EMI
IC1	8-741-104-00 s	IC BX1040
IC2	8-759-101-12 s	IC UPC311G2
IC3	8-752-335-47 s	IC CXD1216M
IC4	8-752-332-67 s	IC CXD1217M
IC5	8-759-239-55 s	IC TC74HC123AF
IC6	8-759-908-17 s	IC TL082CPS
IC7	8-759-908-17 s	IC TL082CPS
IC8	8-759-908-17 s	IC TL082CPS
IC11	8-759-300-71 s	IC HD14053BFP
IC12	8-759-701-75 s	IC NJM7805FA
IC14	8-759-980-27 s	IC SN74ALS163BNS
IC15	8-759-239-55 s	IC TC74HC123AF
IC16	8-759-927-46 s	IC SN74HC00NS
IC17	8-759-925-74 s	IC TC74HC04NS
IC18	8-759-926-24 s	IC SN74HC164NS
IC19	8-759-926-24 s	IC SN74HC164NS
IC21	8-759-908-17 s	IC TL082CPS
IC22	8-759-239-55 s	IC TC74HC123AF
IC23	8-752-306-51 s	IC CX23065A
IC28	8-759-926-24 s	IC SN74HC164NS
IC29	8-759-926-24 s	IC SN74HC164NS
IC31	8-759-239-55 s	IC TC74HC123AF
IC401	8-759-701-75 s	IC NJM7805FA
IC402	8-759-239-55 s	IC TC74HC123AF
IC403	8-752-334-55 s	IC CXD1175M
IC404	8-752-334-55 s	IC CXD1175M
IC405	8-759-925-76 s	IC SN74HC08NS
IC406	8-759-987-17 s	IC CXD1226Q
IC407	8-759-072-23 s	IC MB87647
IC408	8-759-701-75 s	IC NJM7805FA
IC409	8-759-925-85 s	IC SN74HC32NS
IC410	8-759-926-29 s	IC SN74HC175NS
IC411	8-759-927-46 s	IC SN74HC00NS
IC412	8-759-009-51 s	IC MC14538BF
IC413	8-759-925-90 s	IC SN74HC74NS
IC414	8-759-710-86 s	IC NJM2233BM
IC415	8-752-340-75 s	IC CXK1206AM
IC416	8-752-340-75 s	IC CXK1206AM

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Ref. No. or Q'ty	Part No.	SP Description
IC417	8-752-340-75	s IC CXK1206AM
IC418	8-759-926-23	s IC SN74HC163NS
IC420	8-759-987-19	s IC CXD1228Q
IC421	8-759-987-18	s IC CXD1227Q
IC422	8-752-032-96	s IC CXA1106M
IC423	8-752-032-96	s IC CXA1106M
IC424	8-759-700-43	s IC NJM4558M
IC425	8-759-700-43	s IC NJM4558M
IC426	8-759-239-55	s IC TC74HC123AF
IC427	8-759-925-90	s IC SN74HC74NS
IC428	8-759-239-55	s IC TC74HC123AF
IC429	8-759-925-90	s IC SN74HC74NS
IC430	8-759-908-17	s IC TL082CPS
IC701	8-759-926-23	s IC SN74HC163NS
IC702	8-759-925-90	s IC SN74HC74NS
IC703	8-759-927-46	s IC SN74HC00NS
IC704	8-759-925-99	s IC SN74HC109NS
IC705	8-759-925-74	s IC TC74HC04NS
IC708	8-759-239-55	s IC TC74HC123AF
IC709	8-759-927-46	s IC SN74HC00NS
L1	1-408-785-21	s INDUCTOR CHIP 47uH
L2	1-410-385-41	s INDUCTOR CHIP 22uH
L3	1-410-385-41	s INDUCTOR CHIP 22uH
L4	1-408-785-21	s INDUCTOR CHIP 47uH
L5	1-408-789-21	s INDUCTOR CHIP 100uH
L6	1-408-785-21	s INDUCTOR CHIP 47uH
L7	1-408-785-21	s INDUCTOR CHIP 47uH
L9	1-408-785-21	s INDUCTOR CHIP 47uH
L10	1-408-785-21	s INDUCTOR CHIP 47uH
L11	1-408-785-21	s INDUCTOR CHIP 47uH
L12	1-408-785-21	s INDUCTOR CHIP 47uH
L13	1-408-785-21	s INDUCTOR CHIP 47uH
L15	1-408-785-21	s INDUCTOR CHIP 47uH
L16	1-408-785-21	s INDUCTOR CHIP 47uH
L17	1-408-785-21	s INDUCTOR CHIP 47uH
L18	1-408-785-21	s INDUCTOR CHIP 47uH
L19	1-408-785-21	s INDUCTOR CHIP 47uH
L401	1-408-785-21	s INDUCTOR CHIP 47uH
L402	1-408-785-21	s INDUCTOR CHIP 47uH
L403	1-408-785-21	s INDUCTOR CHIP 47uH
L404	1-408-785-21	s INDUCTOR CHIP 47uH
L405	1-410-656-11	s INDUCTOR CHIP 150uH
L406	1-408-789-21	s INDUCTOR CHIP 100uH
L407	1-408-789-21	s INDUCTOR CHIP 100uH
L408	1-408-785-21	s INDUCTOR CHIP 47uH
L409	1-408-789-21	s INDUCTOR CHIP 100uH
L410	1-410-377-31	s INDUCTOR, CHIP 4.7uH
L411	1-408-785-21	s INDUCTOR CHIP 47uH
L412	1-408-785-21	s INDUCTOR CHIP 47uH
L413	1-408-785-21	s INDUCTOR CHIP 47uH
L414	1-408-785-21	s INDUCTOR CHIP 47uH
L415	1-408-785-21	s INDUCTOR CHIP 47uH
L416	1-408-789-21	s INDUCTOR CHIP 100uH
L417	1-408-789-21	s INDUCTOR CHIP 100uH
L418	1-408-789-21	s INDUCTOR CHIP 100uH
L419	1-408-789-21	s INDUCTOR CHIP 100uH
L421	1-408-785-21	s INDUCTOR CHIP 47uH
L422	1-410-388-31	s INDUCTOR CHIP 39uH
L423	1-410-388-31	s INDUCTOR CHIP 39uH

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Ref. No. or Q'ty	Part No.	SP Description
L424	1-410-369-11	s INDUCTOR CHIP 1uH
L701	1-408-785-21	s INDUCTOR CHIP 47uH
L702	1-408-785-21	s INDUCTOR CHIP 47uH
L703	1-408-785-21	s INDUCTOR CHIP 47uH
L704	1-408-767-21	s INDUCTOR, CHIP 1.5uH
LV3	1-408-510-11	s COIL, VAR 7.96MHz
PS1	1-532-605-00	s LINK, IC 0.4A
PS2	1-532-605-00	s LINK, IC 0.4A
Q1	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q2	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q3	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q4	8-729-109-41	s TRANSISTOR 2SK94-X1
Q5	8-729-209-07	s TRANSISTOR 2SC4213-B
Q6	8-729-109-41	s TRANSISTOR 2SK94-X1
Q8	8-729-109-41	s TRANSISTOR 2SK94-X1
Q9	8-729-901-01	s TRANSISTOR DTC144EK
Q11	8-729-109-41	s TRANSISTOR 2SK94-X1
Q12	8-729-117-32	s TRANSISTOR 2SC4177
Q13	8-729-117-32	s TRANSISTOR 2SC4177
Q14	8-729-117-32	s TRANSISTOR 2SC4177
Q401	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q402	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q403	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q404	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q405	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q406	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q407	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q408	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q409	8-729-216-22	s TRANSISTOR 2SA1162
Q411	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q412	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q414	8-729-901-01	s TRANSISTOR DTC144EK
Q415	8-729-901-01	s TRANSISTOR DTC144EK
Q416	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q417	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q418	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q419	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q420	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q421	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q422	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q423	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q424	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q425	8-729-209-07	s TRANSISTOR 2SC4213-B
Q427	8-729-901-01	s TRANSISTOR DTC144EK
Q601	8-729-901-01	s TRANSISTOR DTC144EK
Q602	8-729-901-01	s TRANSISTOR DTC144EK
Q603	8-729-216-22	s TRANSISTOR 2SA1162
Q604	8-729-901-01	s TRANSISTOR DTC144EK
Q605	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q606	8-729-216-22	s TRANSISTOR 2SA1162
Q607	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q616	8-729-209-07	s TRANSISTOR 2SC4213-B
R1	1-216-077-00	s METAL, CHIP 15K 5% 1/10W
R2	1-216-085-00	s METAL, CHIP 33K 5% 1/10W
R3	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R4	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R5	1-216-077-00	s METAL, CHIP 15K 5% 1/10W

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Ref. No. or Q'ty	Part No.	SP Description
R6	1-216-085-00	s METAL, CHIP 33K 5% 1/10W
R7	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R8	1-216-121-00	s METAL, CHIP 1M 5% 1/10W
R9	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R10	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R11	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R12	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R14	1-216-295-00	s METAL, CHIP 0
R16	1-216-295-00	s METAL, CHIP 0
R17	1-216-659-11	s METAL, CHIP 2.2K 0.5% 1/10W
R18	1-216-675-91	s METAL, CHIP 10K 0.50% 1/10W
R19	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R20	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R22	1-216-033-00	s METAL, CHIP 220 5% 1/10W
R26	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R28	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R31	1-216-295-00	s METAL, CHIP 0
R32	1-216-690-11	s METAL, CHIP 43K 0.5% 1/10W
R33	1-216-671-11	s METAL, CHIP 6.8K 0.5% 1/10W
R34	1-216-675-91	s METAL, CHIP 10K 0.50% 1/10W
R35	1-216-035-00	s METAL, CHIP 270 5% 1/10W
R36	1-216-683-11	s METAL, CHIP 22K 0.5% 1/10W
R37	1-216-643-11	s METAL, CHIP 470 0.5% 1/10W
R39	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R40	1-216-117-00	s METAL, CHIP 680K 5% 1/10W
R42	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R43	1-216-117-00	s METAL, CHIP 680K 5% 1/10W
R44	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R45	1-216-117-00	s METAL, CHIP 680K 5% 1/10W
R48	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R49	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R50	1-216-687-11	s METAL, CHIP 33K 0.5% 1/10W
R52	1-216-295-00	s METAL, CHIP 0
R53	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R54	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R55	1-216-673-91	s METAL, CHIP 8.2K 0.50% 1/10W
R56	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R57	1-216-673-91	s METAL, CHIP 8.2K 0.50% 1/10W
R58	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R64	1-216-667-11	s METAL, CHIP 4.7K 0.5% 1/10W
R65	1-216-669-11	s METAL, CHIP 5.6K 0.5% 1/10W
R66	1-216-683-11	s METAL, CHIP 22K 0.5% 1/10W
R67	1-216-671-11	s METAL, CHIP 6.8K 0.5% 1/10W
R68	1-216-669-11	s METAL, CHIP 5.6K 0.5% 1/10W
R69	1-216-643-11	s METAL, CHIP 470 0.5% 1/10W
R70	1-216-685-11	s METAL, CHIP 27K 0.5% 1/10W
R71	1-216-660-11	s METAL, CHIP 2.4K 0.5% 1/10W
R72	1-216-643-11	s METAL, CHIP 470 0.5% 1/10W
R73	1-216-655-11	s METAL, CHIP 1.5K 0.5% 1/10W
R74	1-216-683-11	s METAL, CHIP 22K 0.5% 1/10W
R75	1-216-683-11	s METAL, CHIP 22K 0.5% 1/10W
R77	1-216-662-11	s METAL, CHIP 3K 0.5% 1/10W
R78	1-216-679-11	s METAL, CHIP 15K 0.5% 1/10W
R79	1-216-653-11	s METAL, CHIP 1.2K 0.5% 1/10W
R80	1-216-683-11	s METAL, CHIP 22K 0.5% 1/10W
R81	1-216-643-11	s METAL, CHIP 470 0.5% 1/10W
R82	1-216-657-11	s METAL, CHIP 1.8K 0.5% 1/10W
R83	1-216-655-11	s METAL, CHIP 1.5K 0.5% 1/10W
R84	1-216-089-91	s METAL, CHIP 47K 5% 1/10W

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Ref. No. or Q'ty	Part No.	SP Description
R85	1-216-651-11	s METAL, CHIP 1K 0.5% 1/10W
R87	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R88	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R89	1-216-085-00	s METAL, CHIP 33K 5% 1/10W
R90	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R91	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R92	1-216-635-11	s METAL, CHIP 220 0.5% 1/10W
R93	1-216-635-11	s METAL, CHIP 220 0.5% 1/10W
R94	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R95	1-216-059-00	s METAL, CHIP 2.7K 5% 1/10W
R96	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R97	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R98	1-216-063-00	s METAL, CHIP 3.9K 5% 1/10W
R99	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R100	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R101	1-216-295-00	s METAL, CHIP 0
R102	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R106	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R107	1-216-639-11	s METAL, CHIP 330 0.5% 1/10W
R108	1-216-653-11	s METAL, CHIP 1.2K 0.5% 1/10W
R110	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R113	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R119	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R120	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R121	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R122	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R123	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R136	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R143	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R401	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R402	1-216-035-00	s METAL, CHIP 270 5% 1/10W
R403	1-216-041-00	s METAL, CHIP 470 5% 1/10W
R404	1-216-035-00	s METAL, CHIP 270 5% 1/10W
R405	1-216-047-00	s METAL, CHIP 820 5% 1/10W
R406	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R407	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R408	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R409	1-216-047-00	s METAL, CHIP 820 5% 1/10W
R410	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R411	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R412	1-216-053-00	s METAL, CHIP 1.5K 5% 1/10W
R413	1-216-295-00	s METAL, CHIP 0
R414	1-216-295-00	s METAL, CHIP 0
R415	1-216-295-00	s METAL, CHIP 0
R416	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R417	1-216-061-00	s METAL, CHIP 3.3K 5% 1/10W
R418	1-216-061-00	s METAL, CHIP 3.3K 5% 1/10W
R419	1-216-041-00	s METAL, CHIP 470 5% 1/10W
R420	1-216-083-00	s METAL, CHIP 27K 5% 1/10W
R421	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R422	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R423	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R424	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R425	1-216-077-00	s METAL, CHIP 15K 5% 1/10W
R426	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R427	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R428	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R429	1-216-053-00	s METAL, CHIP 1.5K 5% 1/10W
R430	1-216-061-00	s METAL, CHIP 3.3K 5% 1/10W

(TBC-27 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R431	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R432	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R433	1-216-077-00	s METAL, CHIP 15K 5% 1/10W
R434	1-216-085-00	s METAL, CHIP 33K 5% 1/10W
R436	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R437	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R438	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R439	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R440	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R441	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R442	1-216-675-91	s METAL, CHIP 10K 0.50% 1/10W
R443	1-216-675-91	s METAL, CHIP 10K 0.50% 1/10W
R444	1-216-295-00	s METAL, CHIP 0
R447	1-216-295-00	s METAL, CHIP 0
R448	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R449	1-216-117-00	s METAL, CHIP 680K 5% 1/10W
R450	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R451	1-216-021-00	s METAL, CHIP 68 5% 1/10W
R452	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R453	1-216-019-00	s METAL, CHIP 56 5% 1/10W
R454	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R455	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R456	1-216-691-11	s METAL, CHIP 47K 0.5% 1/10W
R457	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R459	1-216-085-00	s METAL, CHIP 33K 5% 1/10W
R460	1-216-069-00	s METAL, CHIP 6.8K 5% 1/10W
R461	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R462	1-216-085-00	s METAL, CHIP 33K 5% 1/10W
R463	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R464	1-216-119-00	s METAL, CHIP 820K 5% 1/10W
R465	1-216-111-00	s METAL, CHIP 390K 5% 1/10W
R466	1-216-105-91	s METAL, CHIP 220K 5% 1/10W
R467	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R468	1-216-119-00	s METAL, CHIP 820K 5% 1/10W
R469	1-216-111-00	s METAL, CHIP 390K 5% 1/10W
R470	1-216-105-91	s METAL, CHIP 220K 5% 1/10W
R471	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R472	1-216-053-00	s METAL, CHIP 1.5K 5% 1/10W
R473	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R474	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R475	1-216-121-00	s METAL, CHIP 1M 5% 1/10W
R477	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R478	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R487	1-216-683-11	s METAL, CHIP 22K 0.5% 1/10W
R488	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R492	1-216-678-11	s METAL, CHIP 13K 0.5% 1/10W
R493	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R494	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R495	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R497	1-216-295-00	s METAL, CHIP 0
R498	1-216-295-00	s METAL, CHIP 0
R500	1-216-295-00	s METAL, CHIP 0
R502	1-216-295-00	s METAL, CHIP 0
R504	1-216-295-00	s METAL, CHIP 0
R506	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R507	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R508	1-216-295-00	s METAL, CHIP 0
R510	1-216-121-00	s METAL, CHIP 1M 5% 1/10W
R511	1-216-121-00	s METAL, CHIP 1M 5% 1/10W

(TBC-27 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R513	1-216-295-00	s METAL, CHIP 0
R514	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R516	1-216-648-11	s METAL, CHIP 750 0.5% 1/10W
R517	1-216-657-11	s METAL, CHIP 1.8K 0.5% 1/10W
R518	1-216-648-11	s METAL, CHIP 750 0.5% 1/10W
R519	1-216-657-11	s METAL, CHIP 1.8K 0.5% 1/10W
R520	1-216-117-00	s METAL, CHIP 680K 5% 1/10W
R521	1-216-117-00	s METAL, CHIP 680K 5% 1/10W
R522	1-216-659-11	s METAL, CHIP 2.2K 0.5% 1/10W
R523	1-216-659-11	s METAL, CHIP 2.2K 0.5% 1/10W
R524	1-216-653-11	s METAL, CHIP 1.2K 0.5% 1/10W
R525	1-216-653-11	s METAL, CHIP 1.2K 0.5% 1/10W
R526	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R527	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R528	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R529	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R534	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R535	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R536	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R537	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R538	1-216-053-00	s METAL, CHIP 1.5K 5% 1/10W
R539	1-216-053-00	s METAL, CHIP 1.5K 5% 1/10W
R540	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R541	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R542	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R543	1-216-061-00	s METAL, CHIP 3.3K 5% 1/10W
R544	1-216-061-00	s METAL, CHIP 3.3K 5% 1/10W
R545	1-216-659-11	s METAL, CHIP 2.2K 0.5% 1/10W
R546	1-216-659-11	s METAL, CHIP 2.2K 0.5% 1/10W
R547	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R548	1-216-077-00	s METAL, CHIP 15K 5% 1/10W
R549	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R550	1-216-077-00	s METAL, CHIP 15K 5% 1/10W
R551	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R552	1-216-675-91	s METAL, CHIP 10K 0.50% 1/10W
R553	1-216-675-91	s METAL, CHIP 10K 0.50% 1/10W
R554	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R555	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R556	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R557	1-216-053-00	s METAL, CHIP 1.5K 5% 1/10W
R558	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R560	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R561	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R562	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R563	1-216-053-00	s METAL, CHIP 1.5K 5% 1/10W
R564	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R565	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R566	1-216-043-00	s METAL, CHIP 560 5% 1/10W
R567	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R568	1-216-634-11	s METAL, CHIP 200 0.5% 1/10W
R569	1-216-053-00	s METAL, CHIP 1.5K 5% 1/10W
R570	1-216-053-00	s METAL, CHIP 1.5K 5% 1/10W
R571	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R573	1-216-295-00	s METAL, CHIP 0
R574	1-216-295-00	s METAL, CHIP 0
R575	1-216-295-00	s METAL, CHIP 0
R577	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R578	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R579	1-216-081-00	s METAL, CHIP 22K 5% 1/10W

(TBC-27 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R580	1-216-295-00	s METAL, CHIP 0
R581	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R585	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R586	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R587	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R588	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R589	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R590	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R591	1-216-097-00	s METAL, CHIP 100K 5% 1/10W
R592	1-216-295-00	s METAL, CHIP 0
R597	1-216-295-00	s METAL, CHIP 0
R598	1-216-295-00	s METAL, CHIP 0
R599	1-216-295-00	s METAL, CHIP 0
R601	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R602	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R603	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R604	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R605	1-216-699-11	s METAL, CHIP 100K 0.5% 1/10W
R606	1-218-756-11	s METAL, CHIP 150K 0.50% 1/10W
R607	1-216-699-11	s METAL, CHIP 100K 0.5% 1/10W
R608	1-216-691-11	s METAL, CHIP 47K 0.5% 1/10W
R609	1-216-057-91	s METAL, CHIP 2.2K 5% 1/10W
R610	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R611	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R612	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R613	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R614	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R615	1-216-117-00	s METAL, CHIP 680K 5% 1/10W
R616	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R617	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R618	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R619	1-216-065-00	s METAL, CHIP 4.7K 5% 1/10W
R620	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R621	1-216-085-00	s METAL, CHIP 33K 5% 1/10W
R622	1-216-085-00	s METAL, CHIP 33K 5% 1/10W
R623	1-216-077-00	s METAL, CHIP 15K 5% 1/10W
R624	1-216-077-00	s METAL, CHIP 15K 5% 1/10W
R625	1-216-011-00	s METAL, CHIP 27 5% 1/10W
R626	1-216-041-00	s METAL, CHIP 470 5% 1/10W
R627	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R628	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R629	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R631	1-216-295-00	s METAL, CHIP 0
R632	1-216-295-00	s METAL, CHIP 0
R633	1-216-117-00	s METAL, CHIP 680K 5% 1/10W
R634	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R635	1-216-049-00	s METAL, CHIP 1K 5% 1/10W
R701	1-216-680-11	s METAL, CHIP 16K 0.5% 1/10W
R702	1-216-690-11	s METAL, CHIP 43K 0.5% 1/10W
R703	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R704	1-216-073-00	s METAL, CHIP 10K 5% 1/10W
R705	1-216-089-91	s METAL, CHIP 47K 5% 1/10W
R706	1-216-081-00	s METAL, CHIP 22K 5% 1/10W
R707	1-216-295-00	s METAL, CHIP 0
R708	1-216-295-00	s METAL, CHIP 0
R709	1-216-295-00	s METAL, CHIP 0
R710	1-216-025-00	s METAL, CHIP 100 5% 1/10W
R711	1-216-025-00	s METAL, CHIP 100 5% 1/10W

(TBC-27 BOARD)

Ref. No. or Q'ty	Part No.	SP Description
RV1	1-238-801-11	s RES, ADJ METAL 5K
RV2	1-238-802-11	s RES, ADJ METAL 10K
RV3	1-238-783-11	s RES, ADJ, CERMET 500
RV401	1-238-798-11	s RES, ADJ METAL 500
RV402	1-238-799-11	s RES, ADJ METAL 1K
RV701	1-238-801-11	s RES, ADJ METAL 5K
RV702	1-238-802-11	s RES, ADJ METAL 10K
TH1	1-808-438-11	s THERMISTOR
X1	1-577-294-11	s VCO, CRYSTAL 14.187500MHz
X2	1-577-295-11	s VCO, CRYSTAL 17.734475MHz
X3	1-579-057-11	s CRYSTAL 17.734475MHz
X401	1-579-057-11	s CRYSTAL 17.734475MHz

TR-72 BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8262-577-A	s SENSOR, ASSY
C1	1-124-228-11	s ELECT 22uF 20% 10V

TS-74L BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-7070-628-A	o MOUNTED CIRCUIT BOARD, TS-74 (LEFT)
Q715	8-729-700-11	s NJL7141E-N

TS-74R BOARD

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-7070-627-A	o MOUNTED CIRCUIT BOARD, TS-74 (RIGHT)
Q715	8-729-700-11	s NJL7141E-N

VA-111AP BOARD

Ref. No.

or Q'ty Part No. SP Description

1pc	A-8271-861-A	o MOUNTED CIRCUIT BOARD, VA-111AP
2pcs	2-251-622-11	s LEVER, PC BOARD
C101	1-126-933-11	s ELECT 100uF 20% 16V
C102	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C103	1-126-947-11	s ELECT 47uF 20% 35V
C104	1-126-947-11	s ELECT 47uF 20% 35V
C105	1-126-947-11	s ELECT 47uF 20% 35V
C106	1-163-115-00	s CERAMIC, CHIP 82PF 5% 50V
C107	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C108	1-126-947-11	s ELECT 47uF 20% 35V
C109	1-126-964-11	s ELECT 10uF 20% 50V
C110	1-126-964-11	s ELECT 10uF 20% 50V
C111	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C112	1-126-964-11	s ELECT 10uF 20% 50V
C113	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C114	1-126-964-11	s ELECT 10uF 20% 50V
C115	1-126-964-11	s ELECT 10uF 20% 50V
C116	1-126-964-11	s ELECT 10uF 20% 50V
C117	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C118	1-163-113-00	s CERAMIC, CHIP 68PF 5% 50V
C121	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C122	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C123	1-126-947-11	s ELECT 47uF 20% 35V
C124	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C125	1-126-947-11	s ELECT 47uF 20% 35V
C126	1-126-947-11	s ELECT 47uF 20% 35V
C127	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C128	1-126-947-11	s ELECT 47uF 20% 35V
C129	1-126-947-11	s ELECT 47uF 20% 35V
C130	1-124-916-11	s ELECT 22uF 20% 63V
C131	1-128-057-11	s ELECT 330uF 20% 6.3V
C132	1-128-057-11	s ELECT 330uF 20% 6.3V
C133	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C134	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C135	1-126-933-11	s ELECT 100uF 20% 16V
C136	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C137	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C138	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C139	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C145	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C146	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C147	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C148	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C149	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C150	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C151	1-126-947-11	s ELECT 47uF 20% 35V
C152	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C153	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C154	1-124-916-11	s ELECT 22uF 20% 63V
C155	1-124-916-11	s ELECT 22uF 20% 63V
C156	1-128-057-11	s ELECT 330uF 20% 6.3V
C157	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C158	1-128-057-11	s ELECT 330uF 20% 6.3V
C159	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C160	1-126-947-11	s ELECT 47uF 20% 35V
C161	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C162	1-126-947-11	s ELECT 47uF 20% 35V
C163	1-162-924-11	s CERAMIC 56PF 5% 50V

(VA-111AP BOARD)

Ref. No.

or Q'ty Part No. SP Description

C165	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C166	1-163-124-00	s CERAMIC, CHIP 200PF 5% 50V
C167	1-162-925-11	s CERAMIC, CHIP 68PF 5% 50V
C168	1-163-275-11	s CERAMIC, CHIP 0.001uF 5% 50V
C169	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C170	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C171	1-163-275-11	s CERAMIC, CHIP 0.001uF 5% 50V
C172	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C173	1-126-964-11	s ELECT 10uF 20% 50V
C174	1-126-964-11	s ELECT 10uF 20% 50V
C175	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C176	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C177	1-162-917-11	s CERAMIC, CHIP 15PF 5% 50V
C178	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C179	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C180	1-162-925-11	s CERAMIC, CHIP 68PF 5% 50V
C181	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C182	1-162-916-11	s CERAMIC, CHIP 12PF 5% 50V
C183	1-126-933-11	s ELECT 100uF 20% 16V
C184	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C185	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C186	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C187	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C188	1-126-154-11	s ELECT 47uF 20% 6.3V
C189	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C190	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C191	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C192	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C193	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C194	1-126-933-11	s ELECT 100uF 20% 16V
C195	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C196	1-126-933-11	s ELECT 100uF 20% 16V
C197	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C198	1-126-947-11	s ELECT 47uF 20% 35V
C199	1-126-964-11	s ELECT 10uF 20% 50V
C200	1-126-947-11	s ELECT 47uF 20% 35V
C201	1-126-933-11	s ELECT 100uF 20% 16V
C203	1-126-964-11	s ELECT 10uF 20% 50V
C204	1-126-964-11	s ELECT 10uF 20% 50V
C205	1-126-933-11	s ELECT 100uF 20% 16V
C206	1-126-933-11	s ELECT 100uF 20% 16V
C207	1-126-947-11	s ELECT 47uF 20% 35V
C208	1-126-933-11	s ELECT 100uF 20% 16V
C209	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C210	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C211	1-126-947-11	s ELECT 47uF 20% 35V
C212	1-126-947-11	s ELECT 47uF 20% 35V
C213	1-126-947-11	s ELECT 47uF 20% 35V
C214	1-124-916-11	s ELECT 22uF 20% 63V
C215	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C216	1-128-057-11	s ELECT 330uF 20% 6.3V
C217	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C218	1-128-057-11	s ELECT 330uF 20% 6.3V
C219	1-126-947-11	s ELECT 47uF 20% 35V
C220	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C221	1-126-933-11	s ELECT 100uF 20% 16V
C222	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C223	1-164-222-11	s CERAMIC 0.22uF 25V
C224	1-126-947-11	s ELECT 47uF 20% 35V

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Ref. No. or Q'ty	Part No.	SP Description
C225	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C226	1-126-947-11	s ELECT 47uF 20% 35V
C227	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C228	1-126-947-11	s ELECT 47uF 20% 35V
C229	1-126-933-11	s ELECT 100uF 20% 16V
C230	1-126-947-11	s ELECT 47uF 20% 35V
C231	1-124-916-11	s ELECT 22uF 20% 63V
C232	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C233	1-128-057-11	s ELECT 330uF 20% 6.3V
C234	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C235	1-128-057-11	s ELECT 330uF 20% 6.3V
C236	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C237	1-126-947-11	s ELECT 47uF 20% 35V
C238	1-135-070-00	s TANTALUM, CHIP 0.1uF 10% 35V
C239	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C240	1-163-133-00	s CERAMIC, CHIP 470PF 5% 50V
C241	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C242	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C243	1-162-925-11	s CERAMIC, CHIP 68PF 5% 50V
C250	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C251	1-126-947-11	s ELECT 47uF 20% 35V
C252	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C253	1-126-947-11	s ELECT 47uF 20% 35V
C256	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C257	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C258	1-164-160-11	s CERAMIC, CHIP 20PF 5% 50V
C259	1-164-160-11	s CERAMIC, CHIP 20PF 5% 50V
C260	1-163-133-00	s CERAMIC, CHIP 470PF 5% 50V
C261	1-126-933-11	s ELECT 100uF 20% 16V
C262	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C263	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C264	1-163-243-11	s CERAMIC, CHIP 47PF 5% 50V
C266	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C267	1-126-933-11	s ELECT 100uF 20% 16V
C268	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C269	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C270	1-162-925-11	s CERAMIC, CHIP 68PF 5% 50V
C271	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C301	1-164-156-11	s CERAMIC, CHIP 0.1uF 25V
C303	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C600	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C601	1-126-933-11	s ELECT 100uF 20% 16V
C602	1-124-903-11	s ELECT 1uF 20% 50V
C603	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C606	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C608	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C610	1-126-947-11	s ELECT 47uF 20% 35V
C611	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C612	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C613	1-163-263-91	s CERAMIC, CHIP 330PF 5% 50V
C614	1-163-124-00	s CERAMIC, CHIP 200PF 5% 50V
C615	1-163-124-00	s CERAMIC, CHIP 200PF 5% 50V
C616	1-162-968-11	s CERAMIC, CHIP 0.0047uF 10% 50V
C617	1-164-382-11	s CERAMIC, CHIP 91PF 5% 50V
C618	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C621	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C622	1-162-916-11	s CERAMIC, CHIP 12PF 5% 50V
C623	1-126-964-11	s ELECT 10uF 20% 50V
C624	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V

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Ref. No. or Q'ty	Part No.	SP Description
C625	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C626	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C627	1-162-968-11	s CERAMIC, CHIP 0.0047uF 10% 50V
C628	1-163-275-11	s CERAMIC, CHIP 0.001uF 5% 50V
C629	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C630	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C631	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C632	1-162-923-11	s CERAMIC, CHIP 47PF 5% 50V
C633	1-126-947-11	s ELECT 47uF 20% 35V
C634	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C801	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C802	1-135-125-21	s TANTALUM, CHIP 33uF 20% 10V
C803	1-135-125-21	s TANTALUM, CHIP 33uF 20% 10V
C804	1-163-038-91	s CERAMIC, CHIP 0.1uF 25V
C805	1-163-035-00	s CERAMIC, CHIP 0.047uF 50V
C806	1-135-145-11	s TANTALUM, CHIP 0.47uF 10% 35V
C807	1-126-933-11	s ELECT 100uF 20% 16V
C808	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C809	1-126-933-11	s ELECT 100uF 20% 16V
C810	1-126-947-11	s ELECT 47uF 20% 35V
C811	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C812	1-135-125-21	s TANTALUM, CHIP 33uF 20% 10V
C813	1-126-933-11	s ELECT 100uF 20% 16V
C814	1-126-933-11	s ELECT 100uF 20% 16V
C815	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C816	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C817	1-126-933-11	s ELECT 100uF 20% 16V
C818	1-126-933-11	s ELECT 100uF 20% 16V
C819	1-126-933-11	s ELECT 100uF 20% 16V
C820	1-162-924-11	s CERAMIC 56PF 5% 50V
C821	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C822	1-126-947-11	s ELECT 47uF 20% 35V
C823	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C824	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C825	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C826	1-164-160-11	s CERAMIC, CHIP 20PF 5% 50V
C827	1-164-218-11	s CERAMIC, CHIP 180PF 50V
C828	1-126-947-11	s ELECT 47uF 20% 35V
C829	1-126-947-11	s ELECT 47uF 20% 35V
C830	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C831	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C832	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C833	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C834	1-162-915-11	s CERAMIC, CHIP 10PF 50V
C835	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C836	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C837	1-162-927-11	s CERAMIC, CHIP 100PF 5% 50V
C838	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C839	1-126-933-11	s ELECT 100uF 20% 16V
C840	1-126-933-11	s ELECT 100uF 20% 16V
C841	1-162-924-11	s CERAMIC 56PF 5% 50V
C844	1-126-947-11	s ELECT 47uF 20% 35V
C845	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C846	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C847	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C848	1-126-947-11	s ELECT 47uF 20% 35V
C849	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C850	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C851	1-163-125-00	s CERAMIC, CHIP 220PF 5% 50V

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Ref. No. or Q'ty	Part No.	SP Description
C852	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C853	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C854	1-162-924-11	s CERAMIC 56PF 5% 50V
C855	1-162-924-11	s CERAMIC 56PF 5% 50V
C856	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C857	1-126-947-11	s ELECT 47uF 20% 35V
C859	1-126-947-11	s ELECT 47uF 20% 35V
C860	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C861	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C862	1-162-922-11	s CERAMIC, CHIP 39PF 5% 50V
C863	1-162-921-11	s CERAMIC, CHIP 33PF 5% 50V
C864	1-126-947-11	s ELECT 47uF 20% 35V
C865	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C866	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C951	1-162-919-11	s CERAMIC, CHIP 22PF 5% 50V
C952	1-164-217-11	s CERAMIC, CHIP 150PF 5% 50V
C953	1-164-227-11	s CERAMIC, CHIP 0.022uF 10% 25V
C955	1-162-970-11	s CERAMIC, CHIP 0.01uF 10% 25V
C956	1-162-907-11	s CERAMIC, CHIP 2PF 50V
CN609	1-573-782-21	o CONNECTOR, PHEC 60P, MALE
CN610	1-573-782-21	o CONNECTOR, PHEC 60P, MALE
CV101	1-141-322-11	s CAP, VAR, TRIMMER 20PF
CV601	1-141-322-11	s CAP, VAR, TRIMMER 20PF
D101	8-719-104-10	s DIODE 1SS99
D102	8-719-104-10	s DIODE 1SS99
D103	8-719-104-10	s DIODE 1SS99
D104	8-719-104-10	s DIODE 1SS99
D105	8-719-104-10	s DIODE 1SS99
D106	8-719-104-10	s DIODE 1SS99
D107	8-719-941-86	s DIODE DAN202U
D108	8-719-941-86	s DIODE DAN202U
D110	8-719-911-19	s DIODE 1SS119
D601	8-719-941-86	s DIODE DAN202U
D602	8-719-911-19	s DIODE 1SS119
D801	8-719-941-86	s DIODE DAN202U
D802	8-719-800-76	s DIODE 1SS226
D803	8-719-941-86	s DIODE DAN202U
DL101	1-415-402-11	s DELAY LINE 300ns
DL103	1-415-402-11	s DELAY LINE 300ns
FL101	1-235-474-11	s FILTER, LOW-PASS 2MHz
FL102	1-236-040-11	s FILTER, LOW-PASS 2.5MHz
FL103	1-235-474-11	s FILTER, LOW-PASS 2MHz
FL104	1-409-410-11	s FILTER, TRAP 4.4MHz
FL801	1-235-759-11	s FILTER, LOW-PASS 5MHz
FL802	1-235-161-00	s FILTER, BANDPASS 3.58MHz
IC101	8-759-710-86	s IC NJM2233BM
IC102	8-759-925-60	s IC BA401
IC103	8-759-925-60	s IC BA401
IC104	8-752-015-81	s IC CX20158
IC105	8-759-710-86	s IC NJM2233BM
IC106	8-759-925-60	s IC BA401
IC107	8-752-015-81	s IC CX20158
IC108	8-752-015-81	s IC CX20158
IC109	8-759-111-69	s IC UPC1037HA
IC110	8-759-710-86	s IC NJM2233BM
IC111	8-759-925-60	s IC BA401

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Ref. No. or Q'ty	Part No.	SP Description
IC112	8-752-015-81	s IC CX20158
IC113	8-759-300-71	s IC HD14053BFP
IC114	8-752-015-81	s IC CX20158
IC115	8-759-201-47	s IC TA7357AP
IC116	8-759-710-86	s IC NJM2233BM
IC117	8-759-927-46	s IC SN74HC00NS
IC600	8-741-126-20	s IC BX1262
IC601	8-759-710-86	s IC NJM2233BM
IC602	8-759-009-51	s IC MC14538BF
IC603	8-759-710-86	s IC NJM2233BM
IC801	8-759-014-29	s IC MC34184M
IC802	8-759-908-17	s IC TL082CPS
IC803	8-759-947-82	s IC TL610CPS
IC804	8-752-015-81	s IC CX20158
IC805	8-759-239-55	s IC TC74HC123AF
IC806	8-759-937-61	s IC S-81230AG
IC807	8-759-941-79	s IC S-80230AG
IC808	8-759-925-74	s IC TC74HC04NS
IC809	8-759-030-55	s IC MC1496M
IC951	8-759-925-97	s IC SN74HC86ANS
L101	1-408-785-21	s INDUCTOR CHIP 47uH
L102	1-410-087-31	s INDUCTOR 10mH
L103	1-408-785-21	s INDUCTOR CHIP 47uH
L104	1-408-785-21	s INDUCTOR CHIP 47uH
L107	1-408-785-21	s INDUCTOR CHIP 47uH
L108	1-410-656-11	s INDUCTOR CHIP 150uH
L109	1-408-785-21	s INDUCTOR CHIP 47uH
L110	1-408-785-21	s INDUCTOR CHIP 47uH
L111	1-408-785-21	s INDUCTOR CHIP 47uH
L112	1-408-785-21	s INDUCTOR CHIP 47uH
L113	1-410-388-31	s INDUCTOR CHIP 39uH
L114	1-410-391-11	s INDUCTOR, CHIP 68uH
L115	1-410-387-11	s INDUCTOR, CHIP 33uH
L118	1-408-785-21	s INDUCTOR CHIP 47uH
L119	1-408-785-21	s INDUCTOR CHIP 47uH
L120	1-410-390-11	s INDUCTOR, CHIP 56uH
L122	1-410-087-31	s INDUCTOR 10mH
L123	1-408-785-21	s INDUCTOR CHIP 47uH
L124	1-408-785-21	s INDUCTOR CHIP 47uH
L125	1-408-785-21	s INDUCTOR CHIP 47uH
L126	1-408-785-21	s INDUCTOR CHIP 47uH
L127	1-410-393-11	s INDUCTOR CHIP 100uH
L128	1-408-785-21	s INDUCTOR CHIP 47uH
L129	1-408-785-21	s INDUCTOR CHIP 47uH
L130	1-410-392-11	s INDUCTOR, CHIP 82uH
L131	1-412-282-41	s INDUCTOR, CHIP 470uH
L132	1-408-785-21	s INDUCTOR CHIP 47uH
L133	1-408-785-21	s INDUCTOR CHIP 47uH
L136	1-408-785-21	s INDUCTOR CHIP 47uH
L140	1-408-785-21	s INDUCTOR CHIP 47uH
L141	1-410-381-11	s INDUCTOR CHIP 10uH
L142	1-408-785-21	s INDUCTOR CHIP 47uH
L201	1-408-785-21	s INDUCTOR CHIP 47uH
L202	1-410-381-11	s INDUCTOR CHIP 10uH
L506	1-408-785-21	s INDUCTOR CHIP 47uH
L600	1-408-785-21	s INDUCTOR CHIP 47uH
L601	1-408-785-21	s INDUCTOR CHIP 47uH
L602	1-410-381-11	s INDUCTOR CHIP 10uH
L603	1-410-392-11	s INDUCTOR, CHIP 82uH

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Ref. No. or Q'ty	Part No.	SP Description
L604	1-412-282-41 s	INDUCTOR, CHIP 470uH
L605	1-412-282-41 s	INDUCTOR, CHIP 470uH
L606	1-408-785-21 s	INDUCTOR CHIP 47uH
L801	1-410-381-11 s	INDUCTOR CHIP 10uH
L802	1-408-785-21 s	INDUCTOR CHIP 47uH
L803	1-408-785-21 s	INDUCTOR CHIP 47uH
L804	1-408-785-21 s	INDUCTOR CHIP 47uH
L805	1-408-785-21 s	INDUCTOR CHIP 47uH
L806	1-410-380-31 s	INDUCTOR, CHIP 8.2uH
L807	1-408-785-21 s	INDUCTOR CHIP 47uH
L808	1-410-380-31 s	INDUCTOR, CHIP 8.2uH
L809	1-408-785-21 s	INDUCTOR CHIP 47uH
L810	1-408-785-21 s	INDUCTOR CHIP 47uH
L811	1-408-785-21 s	INDUCTOR CHIP 47uH
L812	1-410-391-11 s	INDUCTOR, CHIP 68uH
L813	1-410-386-11 s	INDUCTOR, CHIP 27uH
L814	1-410-392-11 s	INDUCTOR, CHIP 82uH
L815	1-408-785-21 s	INDUCTOR CHIP 47uH
L816	1-408-785-21 s	INDUCTOR CHIP 47uH
L817	1-410-381-11 s	INDUCTOR CHIP 10uH
L818	1-410-393-11 s	INDUCTOR CHIP 100uH
L951	1-408-785-21 s	INDUCTOR CHIP 47uH
L952	1-410-385-41 s	INDUCTOR CHIP 22uH
L953	1-410-387-11 s	INDUCTOR, CHIP 33uH
LV600	1-408-514-11 s	COIL (VARIABLE)
LV601	1-408-514-11 s	COIL (VARIABLE)
PS801	A1-532-605-00 s	LINK, IC 0.4A
Q101	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q102	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q103	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q104	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q105	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q106	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q107	8-729-905-18 s	TRANSISTOR DTC144EU
Q111	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q112	8-729-905-18 s	TRANSISTOR DTC144EU
Q113	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q114	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q115	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q116	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q117	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q118	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q119	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q120	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q121	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q122	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q123	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q124	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q125	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q126	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q127	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q129	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q130	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q131	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q132	8-729-905-24 s	TRANSISTOR 2SA1576-S
Q133	8-729-905-24 s	TRANSISTOR 2SA1576-S
Q134	8-729-905-24 s	TRANSISTOR 2SA1576-S

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Ref. No. or Q'ty	Part No.	SP Description
Q135	8-729-905-24 s	TRANSISTOR 2SA1576-S
Q136	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q138	8-729-905-24 s	TRANSISTOR 2SA1576-S
Q139	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q141	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q142	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q143	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q144	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q145	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q146	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q147	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q148	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q149	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q151	8-729-905-24 s	TRANSISTOR 2SA1576-S
Q152	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q153	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q154	8-729-905-24 s	TRANSISTOR 2SA1576-S
Q155	8-729-905-24 s	TRANSISTOR 2SA1576-S
Q156	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q157	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q158	8-729-905-24 s	TRANSISTOR 2SA1576-S
Q159	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q160	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q161	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q162	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q163	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q164	8-729-905-18 s	TRANSISTOR DTC144EU
Q165	8-729-905-18 s	TRANSISTOR DTC144EU
Q170	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q171	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q172	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q173	8-729-905-18 s	TRANSISTOR DTC144EU
Q174	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q175	8-729-119-77 s	TRANSISTOR 2SA1175-FEK
Q176	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q177	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q178	8-729-905-18 s	TRANSISTOR DTC144EU
Q179	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q180	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q201	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q202	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q203	8-729-905-24 s	TRANSISTOR 2SA1576-S
Q204	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q600	8-729-905-24 s	TRANSISTOR 2SA1576-S
Q601	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q602	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q603	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q604	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q605	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q606	8-729-905-18 s	TRANSISTOR DTC144EU
Q607	8-729-905-18 s	TRANSISTOR DTC144EU
Q608	8-729-905-18 s	TRANSISTOR DTC144EU
Q609	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q610	8-729-905-24 s	TRANSISTOR 2SA1576-S
Q611	8-729-905-24 s	TRANSISTOR 2SA1576-S
Q612	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q613	8-729-905-24 s	TRANSISTOR 2SA1576-S
Q801	8-729-120-28 s	TRANSISTOR 2SC1623-L5L6
Q802	8-729-201-27 s	TRANSISTOR 2SC2715-Y

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Ref. No. or Q'ty	Part No.	SP Description
Q803	8-729-201-27	s TRANSISTOR 2SC2715-Y
Q804	8-729-201-27	s TRANSISTOR 2SC2715-Y
Q805	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q806	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q807	8-729-201-27	s TRANSISTOR 2SC2715-Y
Q808	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q809	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q810	8-729-122-63	s TRANSISTOR 2SA1226
Q811	8-729-201-27	s TRANSISTOR 2SC2715-Y
Q812	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q813	8-729-201-27	s TRANSISTOR 2SC2715-Y
Q814	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q815	8-729-201-27	s TRANSISTOR 2SC2715-Y
Q816	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q817	8-729-216-22	s TRANSISTOR 2SA1162
Q818	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q819	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q951	8-729-216-22	s TRANSISTOR 2SA1162
Q952	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
Q953	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
R101	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R103	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R104	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R105	1-218-313-11	s METAL, CHIP 560 1% 1/16W
R107	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R108	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R109	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R110	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R111	1-216-830-11	s METAL, CHIP 5.6K 5% 1/16W
R112	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R113	1-216-802-11	s METAL, CHIP 27 5% 1/16W
R114	1-218-313-11	s METAL, CHIP 560 1% 1/16W
R115	1-216-834-11	s METAL, CHIP 12K 5% 1/16W
R116	1-216-832-11	s METAL, CHIP 8.2K 5% 1/16W
R117	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R118	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R119	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R120	1-218-313-11	s METAL, CHIP 560 1% 1/16W
R121	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
R122	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R123	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R124	1-218-828-11	s METAL, CHIP 160 0.50% 1/16W
R125	1-218-680-11	s METAL, CHIP 330 0.50% 1/16W
R128	1-216-826-11	s METAL, CHIP 2.7K 5% 1/16W
R129	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R130	1-218-271-11	s METAL, CHIP 2K 5% 1/16W
R131	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
R132	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R133	1-218-698-11	s METAL, CHIP 1.8K 0.50% 1/16W
R134	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R135	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R136	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R137	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R138	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R139	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
R140	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
R141	1-218-708-11	s METAL, CHIP 4.7K 0.50% 1/16W
R142	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R143	1-216-821-11	s METAL, CHIP 1K 5% 1/16W

(VA-111AP BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R144	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R145	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R146	1-216-830-11	s METAL, CHIP 5.6K 5% 1/16W
R147	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R148	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R149	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R150	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R151	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R152	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R153	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R155	1-218-285-11	s METAL, CHIP 75 5% 1/16W
R156	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R158	1-216-834-11	s METAL, CHIP 12K 5% 1/16W
R159	1-216-832-11	s METAL, CHIP 8.2K 5% 1/16W
R160	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R161	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R164	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R167	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R168	1-218-668-11	s METAL, CHIP 100 0.50% 1/16W
R169	1-216-826-11	s METAL, CHIP 2.7K 5% 1/16W
R170	1-216-822-11	s METAL, CHIP 1.2K 5% 1/16W
R171	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R172	1-216-865-11	s METAL, CHIP 3K 5% 1/16W
R173	1-216-815-11	s METAL, CHIP 330 5% 1/16W
R174	1-218-688-11	s METAL, CHIP 680 0.50% 1/16W
R175	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R176	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R177	1-216-830-11	s METAL, CHIP 5.6K 5% 1/16W
R178	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R179	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R180	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R181	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R182	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R183	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R185	1-218-285-11	s METAL, CHIP 75 5% 1/16W
R186	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R187	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R188	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R189	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R190	1-216-809-11	s METAL, CHIP 100 5% 1/16W
R192	1-218-285-11	s METAL, CHIP 75 5% 1/16W
R193	1-216-835-11	s METAL, CHIP 15K 5% 1/16W
R194	1-216-835-11	s METAL, CHIP 15K 5% 1/16W
R195	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
R196	1-216-826-11	s METAL, CHIP 2.7K 5% 1/16W
R198	1-216-820-11	s METAL, CHIP 820 5% 1/16W
R199	1-216-833-11	s METAL, CHIP 10K 5% 1/16W
R200	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R201	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R202	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R203	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R204	1-216-817-11	s METAL, CHIP 470 5% 1/16W
R205	1-216-805-11	s METAL, CHIP 47 5% 1/16W
R206	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R207	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
R208	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
R209	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R210	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
R211	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W

RA-4P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
	8-719-400-18	s DIODE MA152WK
1	8-752-033-00	s IC CXA1234AR
3	8-759-230-99	s IC TC74HC4053AF
4	8-759-230-99	s IC TC74HC4053AF
5	8-759-701-75	s IC NJM7805FA
6	8-759-700-65	s IC NJM79L05A
	1-410-478-11	s INDUCTOR 47uH
	1-408-423-00	s INDUCTOR 150uH
	1-408-785-21	s INDUCTOR CHIP 47uH
	1-410-376-21	s INDUCTOR, CHIP 3.9uH
	1-408-785-21	s INDUCTOR CHIP 47uH
	1-410-381-11	s INDUCTOR CHIP 10uH
	1-408-785-21	s INDUCTOR CHIP 47uH
	1-408-785-21	s INDUCTOR CHIP 47uH
	1-408-777-00	s INDUCTOR, CHIP 10uH
0	1-408-777-00	s INDUCTOR, CHIP 10uH
	8-729-905-18	s TRANSISTOR DTC144EU
	8-729-216-22	s TRANSISTOR 2SA1162
	8-729-120-28	s TRANSISTOR 2SC1623-L5L6
	8-729-103-19	s TRANSISTOR 2SA1206-K1
	8-729-216-22	s TRANSISTOR 2SA1162
	8-729-905-18	s TRANSISTOR DTC144EU
	8-729-905-18	s TRANSISTOR DTC144EU
	8-729-216-22	s TRANSISTOR 2SA1162
	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
	1-216-829-11	s METAL, CHIP 4.7K 5% 1/16W
	1-216-824-11	s METAL, CHIP 1.8K 5% 1/16W
	1-216-824-11	s METAL, CHIP 1.8K 5% 1/16W
	1-218-698-11	s METAL, CHIP 1.8K 0.50% 1/16W
	1-218-698-11	s METAL, CHIP 1.8K 0.50% 1/16W
	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
0	1-216-838-11	s METAL, CHIP 27K 5% 1/16W
11	1-218-720-11	s METAL, CHIP 15K 0.50% 1/16W
12	1-218-725-11	s METAL, CHIP 24K 0.50% 1/16W
13	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
14	1-216-839-11	s METAL, CHIP 33K 5% 1/16W
19	1-216-817-11	s METAL, CHIP 470 5% 1/16W
20	1-216-817-11	s METAL, CHIP 470 5% 1/16W
21	1-216-824-11	s METAL, CHIP 1.8K 5% 1/16W
22	1-216-795-11	s METAL, CHIP 6.8K 0.50% 1/16W
23	1-216-797-11	s METAL, CHIP 10 5% 1/16W
24	1-216-818-11	s METAL, CHIP 560 5% 1/16W
25	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
26	1-216-825-11	s METAL, CHIP 2.2K 5% 1/16W
28	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
29	1-216-841-11	s METAL, CHIP 47K 5% 1/16W
30	1-216-837-11	s METAL, CHIP 22K 5% 1/16W
31	1-216-797-11	s METAL, CHIP 10 5% 1/16W
32	1-216-797-11	s METAL, CHIP 10 5% 1/16W
33	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
34	1-216-821-11	s METAL, CHIP 1K 5% 1/16W
35	1-216-843-11	s METAL, CHIP 68K 5% 1/16W
36	1-216-827-11	s METAL, CHIP 3.3K 5% 1/16W
37	1-216-864-11	s METAL, CHIP 0 5% 1/16W
39	1-218-744-11	s METAL, CHIP 150K 0.50% 1/16W
40	1-218-744-11	s METAL, CHIP 150K 0.50% 1/16W

(VRA-4P BOARD)

Ref. No. or Q'ty	Part No.	SP Description
R41	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R42	1-218-700-11	s METAL, CHIP 2.2K 0.50% 1/16W
R43	1-216-801-11	s METAL, CHIP 22 5% 1/16W
R44	1-216-789-11	s METAL, CHIP 2.2 5% 1/16W
R45	1-216-789-11	s METAL, CHIP 2.2 5% 1/16W
RV1	1-238-783-11	s RES, ADJ, CERMET 500
RV2	1-238-786-11	s RES, ADJ METAL 5K
RV3	1-238-786-11	s RES, ADJ METAL 5K

FRAME

Ref. No. or Q'ty	Part No.	SP Description
1pc	A-8260-641-A	s DRUM ASSY (DGH-98A-R)
1pc	A-8260-642-A	s DRUM ASSY, UPPER ROTARY (DGH-98-R)
1pc	A-7070-624-A	o MOUNTED CIRCUIT BOARD, FP-84 FLEXIBLE (CN-551P/CN345 to MD ASSY/W801)
1pc	A-7070-625-A	o MOUNTED CIRCUIT BOARD, FP-122 FLEXIBLE (CN-551P/CN344 to MD ASSY/W901)
1pc	△1-413-820-11	s SWITCHING REGULATOR (SOPS-1031)
1pc	1-506-485-11	s CONNECTOR (HOOK TYPE) (to LM-22 BOARD)
1pc	1-506-485-11	s CONNECTOR (HOOK TYPE) (to MS-36 BOARD)
1pc	△1-576-228-11	s FUSE, H.B.C 2A 250V
1pc	1-535-535-11	s TERMINAL, SHAFT GROUND
1pc	1-543-830-11	o CLAMP, SLEEVE FERRITE
CN3001	△1-580-375-11	S INLET 3P "AC IN"
CS1001	1-806-682-00	s SENSOR, CONDENSATION
J1002	1-507-854-00	s JACK, HEADPHONES
M1002	8-835-304-11	s MOTOR, DC (U-11B) "REEL"
M1003	8-835-364-01	s MOTOR, DC (BHF-2802B) "CAPSTAN"
M1004	X-3711-936-1	s MOTOR ASSY, FL (DNR-6603A) "CASSETTE COMPARTMENT"
M1005	8-835-138-01	s MOTOR, DC (DNR-5301B) "CONTROL"
M1006	A-7040-065-A	s MOTOR ASSY, L (DNR-6602A) "LOADING"
ME1001	1-520-506-11	s METER AUDIO LEVEL CH-1
ME1002	1-520-506-11	s METER AUDIO LEVEL CH-2
PM1001	1-454-377-21	s SOLENOID "BRAKE"
PM1002	1-454-445-21	s SOLENOID "CLEANING"
S1001	△1-570-117-41	s SWITCH, ROCKER "POWER"
S1002	1-570-407-11	s SWITCH SLIDE " CASSETTE IN"
S1003	1-553-226-00	s SWITCH LEAF "CASSETTE DOWN"
S1010	1-572-298-21	s SWITCH, PUSH "REC PROOF/MPHG/ME/MP"

HARNESS

Ref. No. or Q'ty	Part No.	SP Description
1pc	1-630-923-11	o FLEXIBLE BOARD, FP-206 (MD ASSY to RS-31/CN304)
5pcs	1-696-147-11	s FLEXIBLE CARD WIRE 26P (SST-2AP/CN311 THRU CN315) to (MB-356AP/CN130 THRU CN314)
1pc	1-949-739-11	o HARNESS (KY-DD1) (KY-217/CN703 to DD-12/CN752)
1pc	1-949-740-11	o HARNESS (KY-DD2) (KY-217/CN704 to DD-12/CN751)
1pc	1-949-741-11	o HARNESS (AU) (AU-156AP/CN221,CN222) to (AA-57/CN205,CN208)
1pc	1-949-742-11	o HARNESS (MB) (MB-356AP/CN119,CN121,CN122, CN123,CN329) to (VR-122/CN245, VR-130/CN242, MT-57A/CN802 & SW-466/CN244)
1pc	1-949-743-11	o HARNESS (SW467) (MB-356AP/CN124,CN135,CN136) to (SW-467P/CN246 THRU CN249 & SST-2AP/CN307)
1pc	1-949-748-11	o HARNESS (SST) (SST-2AP/CN322 THRU CN328) to (CN-551P/CN335 THRU CN340 & CN348)
1pc	1-949-749-12	o HARNESS (AA) (AA-57/CN201 THRU CN204,CN206 CN206,CN207,CN209,CN210) to (CP-177/CN211 THRU CN218)
1pc	1-949-751-11	o HARNESS (RM101) (RM-101/CN241 to MB-356P/CN113)
1pc	1-949-752-11	o HARNESS (AU-MON) (MB-356P/CN1145 to CP-176/CN231)
1pc	1-949-753-11	o HARNESS (DUB) (MB-356P/CN115 to CP-176/CN232)
1pc	1-949-755-12	o HARNESS (MONITOR) (MB-356P/CN117 to CP-176/CN234)
1pc	1-949-756-12	o HARNESS (S-V) (MB-356P/CN118 to CP-176/CN235)
1pc	1-949-757-11	o HARNESS (RM-122) (RM-122/CN252 to SST-2AP/CN316)
1pc	1-949-758-11	o HARNESS (VRA-SI) (MB-356P/CN128 to VRA-4P/CN501)
1pc	1-949-759-11	o HARNESS (VRA-DC) (MB-356P/CN129 to VRA-4P/CN503)
1pc	1-949-760-11	o HARNESS (PRE) (MB-356P/CN127 to PRE-10P/CN511)

HARNESS)

ef. No. r Q'ty	Part No.	SP Description
pc	1-949-761-11	o HARNESS (SDW348) (MB-356P/CN125 to SW-543/CN810)
pc	1-949-762-11	o HARNESS (KY-SST) (KY-217/CN701 to SST-2AP/CN329)
pc	1-949-763-11	o HARNESS (TR) (CN-551P/CN346 to TR-72/CN351)
N126	(to MB-356AP) 1-562-256-00	o HOUSING 6P 1-562-260-11 o CONTACT, IL-S FEMALE AWG 24-28
N137	(to MB-356P) 1-562-257-00	o HOUSING 8P 1-562-260-11 o CONTACT, IL-S FEMALE AWG 24-28
N242	(to HP-52) 1-506-482-11	s HOUSING 3P 1-563-088-11 o CONTACT, FEMALE AWG24-30
N243	(to SW-540) 1-562-148-11	o HOUSING 3P 1-563-088-11 o CONTACT, FEMALE AWG24-30
N261	(to DC-57P) 1-562-259-00	o HOUSING 12P 1-562-260-11 o CONTACT, IL-S FEMALE AWG24-28
N262	(to DC-57P) 1-562-254-00	o HOUSING 4P 1-562-260-11 o CONTACT, IL-S FEMALE AWG24-28
N263	(to DC-57P) 1-562-256-00	o HOUSING 6P 1-562-260-11 o CONTACT, IL-S FEMALE AWG24-28
N264	(to DC-57P) 1-562-257-00	o HOUSING 8P 1-562-260-11 o CONTACT, IL-S FEMALE AWG24-28
N265	(to DC-57P) 1-562-258-00	o HOUSING 10P 1-562-260-11 o CONTACT, IL-S FEMALE AWG24-28
N309	(to SST-2AP) 1-506-482-11	s HOUSING 3P 1-563-088-11 o CONTACT, FEMALE AWG24-30
N321	(to SST-2AP) 1-562-258-00	o HOUSING 10P 1-562-260-11 o CONTACT, IL-S FEMALE AWG24-28
N331	(to CN-551P) 1-562-147-11	o HOUSING 2P 1-563-088-11 o CONTACT, FEMALE AWG 24-30
N332	(to CN-551P) 1-562-149-11	o HOUSING 4P 1-563-088-11 o CONTACT, FEMALE AWG 24-30
N333	(to CN-551P) 1-562-150-11	o HOUSING 5P 1-563-088-11 o CONTACT, FEMALE AWG 24-30
N334	(to CN-551P) 1-562-147-11	o HOUSING 2P 1-563-088-11 o CONTACT, FEMALE AWG 24-30
N341	(to CN-551P)	

(HARNESS)

Ref. No. or Q'ty	Part No.	SP Description
	1-562-149-11	o HOUSING 4P
	1-563-088-11	o CONTACT, FEMALE AWG 24-30
CN342	(to CN-551P) 1-562-149-11	o HOUSING 4P 1-563-088-11 o CONTACT, FEMALE AWG 24-30
CN347	(to CN-551P) 1-562-147-11	o HOUSING 2P 1-563-088-11 o CONTACT, FEMALE AWG 24-30
CN702	(to KY-217) 1-562-151-00	o HOUSING 6P 1-564-026-00 s CONTACT, FEMALE AWG24-30
CN706	(to KY-217) 1-562-152-11	o HOUSING 7P 1-564-026-00 s CONTACT, FEMALE AWG24-30
CN766	(to LP-52) 1-562-152-11	o HOUSING 7P 1-564-026-00 s CONTACT, FEMALE AWG24-30
CN901	(to SWITCHING REGULATOR) 1-562-259-00	o HOUSING 12P 1-562-260-11 o CONTACT, IL-S FEMALE AWG24-28
CN902	(to SWITCHING REGULATOR) 1-562-285-11	o HOUSING 4P 1-562-210-11 o CONTACT, FEMALE AWG18-22
CN911	(to AC-121AP) 1-562-285-00	o HOUSING 4P 1-562-210-11 o CONTACT, FEMALE AWG18-22
CN912	(to AC-121AP) 1-562-211-11	o HOUSING 3P 1-562-210-11 o CONTACT, FEMALE AWG18-22
CN2002	(to SWITCHING REGULATOR) 1-562-254-00	o HOUSING 4P 1-562-260-11 o CONTACT, IL-S FEMALE AWG24-28

14-4. PACKING MATERIALS AND ACCESSORIES

Ref. No. or Q'ty	Part No.	SP Description
1pc	▲1-590-910-11	s CORD, POWER
1pc	3-176-268-01	o CUSHION (UPPER)
1pc	3-176-269-01	o CUSHION (LOWER)
1pc	3-694-922-01	o SHEET, PROTECTION
1pc	▲3-754-736-12	s MANUAL, INSTRUCTION (E,F)
1pc	3-754-736-42	s MANUAL, INSTRUCTION (G,I)
1pc	8-883-112-29	s V8-6CLHSP

14-5. OPTIONAL FIXTURES

Ref. No. or Q'ty	Part No.	SP Description
	Y-2031-001-1	o CLEANING FLUID
	J-6080-824-A	o FWD, REV TAKE UP TORQUE CASSETTE
	J-6080-825-A	o MODE SELECTOR
	J-6080-826-A	o No.6 GUIDE LOCK SCREWDRIVER
	J-6080-827-A	o DIAL TENSION GAUGE
	J-6080-831-A	o TENSION MEASUREMENT REEL
	J-6080-832-A	o TENSION MEASUREMENT REEL
	J-6080-840-A	o SMALL ADJUSTMENT MIRROR
	J-6080-883-A	o RF/SWP CONNECTOR
	J-6080-891-A	o TRACK SHIFT TOOL
	J-6257-460-A	o UPPER DRUM REPLACEMENT TOOL
	J-6257-560-A	o S-TENSION ADJUSTMENT TOOL
	J-6257-610-A	o No.10 GEAR PHASE TOOL
	J-6268-660-A	o EX-311 (EXTENSION BOARD)
	J-6269-000-A	o REC HEAD PB HARNESS
	3-703-375-06	o PARALLEL PIN
	7-700-766-01	o HEXAGONAL SCREWDRIVER
	7-741-900-53	o WIPING CLOTH
	8-967-992-17	o ALIGNMENT TAPE, WR2-3CS
	8-967-995-07	o ALIGNMENT TAPE, WR5-1CP
	8-967-995-17	o ALIGNMENT TAPE, WR5-6C
	8-967-995-18	o ALIGNMENT TAPE, WR5-7CE
	8-967-995-47	o ALIGNMENT TAPE, WR5-5CSP
	8-967-995-48	o ALIGNMENT TAPE, WR5-8CSE
	8-967-995-57	o ALIGNMENT TAPE, WR5-8CLE
	COMMERCIALY SOLD HEAD DEGAUSSER	